

SITE PHOTOGRAPHS

Lab reference:	Date of testing:	Page:
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Photograph No.4091 –
EM1658



Photograph No.4092 –
EM1659

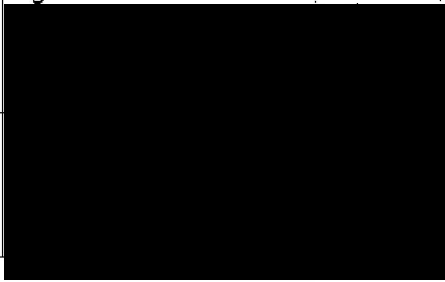


TEST REPORT			
Lab reference: J086271/EM01	Date of testing: 11 Apr 2024	Issue Number: 1	Page: 1 of 7

CLIENT/CONTRACTOR DETAILS

Client: Provectus Remediation Limited	Contractor: Provectus Remediation Limited
Address: Regent House Bath Avenue Wolverhampton West Midlands WV1 4EG	Address: Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG
Telephone: 0118 988 0218 / 07377 358638	Telephone: 0118 988 0218 / 07377 358638
Email: Nick.Daniels@provectusgroup.com	Email: Nick.Daniels@provectusgroup.com

JOB/SITE DETAILS

Site Address: Provectus Trinder Road Wokingham RG41 1BH	
Nature of Works: Far Source perimeter air monitoring during soil remediation works under semi controlled conditions	
Location of Works: Perimeter of remaining Provectus Work Area	
COMMENTS: Far Source AFM conducted to the perimeter of the remaining section of the Provectus Work Area. Ground conditions are damp following recent rainfall. Atmospheric conditions are dry with a light breeze from the South West @ 8mph. All Far Source AFM test results are satisfactory @ <0.005 fibre/ml. The work area remains safe for normal occupancy.	
Analyst: Oliver Blench	Signature: 
Comments read and agreed by: Jason Dillerstone	

VERSION HISTORY

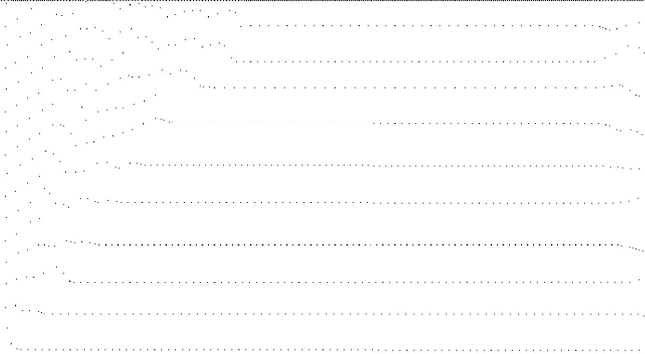
Issue Number:	Issue date:	Notes/Comments:
1	11 Apr 2024	Original report



DETERMINATION OF AIRBORNE FIBRE CONCENTRATION			
Lab reference: J086271/EM01	Date of testing: 11 Apr 2024	Issue Number: 1	Page: 2 of 7

Time on site:	09:12	Fibre counting location:	Mobile Lab
Temperature (°C):	N/A	Pressure (MB):	N/A
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	101	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
391	OB01	EM001675	North East	09:45	12.0	11:05	12.0	12.0	30	960	1.5	200	0.005	0.000	< 0.005
392	OB02	EM001676	East	09:47	12.0	11:07	12.0	12.0	30	960	1	200	0.005	0.000	< 0.005
322	OB03	EM001677	South	09:49	12.0	11:09	12.0	12.0	30	960	1	200	0.005	0.000	< 0.005
395	OB04	EM001678	West	09:52	12.0	11:12	12.0	12.0	30	960	0.5	200	0.005	0.000	< 0.005
391	OB05	EM001679	North East	11:06	12.0	12:26	12.0	12.0	30	960	1	200	0.005	0.000	< 0.005





DETERMINATION OF AIRBORNE FIBRE CONCENTRATION

Lab reference: J086271/EM01	Date of testing: 11 Apr 2024	Issue Number: 1	Page: 3 of 7
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Time on site:	09:12	Fibre counting location:	Mobile Lab
Temperature (°C):	N/A	Pressure (MBi):	N/A
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	101	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
392	OB06	EM001680	East	11:08	12.0	12:28	12.0	12.0	80	960	1	200	0.005	0.000	< 0.005
322	OB07	EM001681	South	11:10	12.0	12:30	12.0	12.0	80	960	0.5	200	0.005	0.000	< 0.005
395	OB08	EM001682	West	11:13	12.0	12:33	12.0	12.0	80	960	0.5	200	0.005	0.000	< 0.005
N/A	OB13	EM001683	Field Blank	N/A	N/A	N/A	N/A	0.0	0	0			Field Blank		

As per 'HS6248' and our in House procedures P050

The current control limit for the most common airborne asbestos fibres is 0.1 fibres/ml of air averaged over a continuous period of four hours. This is the maximum allowed exposure. At all times the concentration of fibres in the atmosphere must be kept as low as reasonably practicable and for clearance purposes following the completion of asbestos removal works a concentration of less than 0.01 fibre/ml should be achieved. Airborne fibres counted in the above table are total respirable fibres and not necessarily asbestos fibres. Vintec is a participant in R.I.C.E with a current satisfactory classification. Any comments, opinions, or interpretations expressed herein are outside the scope of our UKAS accreditation (accreditation number 1249), and are subjective comments only whose accuracy we do not guarantee and which should be verified by the client. This report should not be reproduced except in full, without the written approval of the laboratory.

Analyst: Oliver Blench	Signature:
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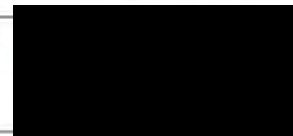
SITE PLAN			
Lab reference: J086271/EM01	Date of testing: 11 Apr 2024	Issue Number: 1	Page: 4 of 7

Provectus, Trinder Road, Wokingham, RG41 1BH



Analyst:
Oliver Blench

Analyst Signature:



SITE PHOTOGRAPHS

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Photograph No.4228 –
EM1675



Photograph No.4229 –
EM1676



Photograph No.4230 –
EM1677

SITE PHOTOGRAPHS

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Photograph No.4231 -
EM1678



Photograph No.4232 -
EM1679



Photograph No.4233 -
EM1680

SITE PHOTOGRAPHS

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Photograph No.4234 –
EM1681



Photograph No.4235 –
EM1682



TEST REPORT

Lab reference: J086384/EK01	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 1 of 6
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CLIENT/CONTRACTOR DETAILS

Client: Provectus Remediation Limited	Contractor: Provectus Remediation Limited
Address: Regent House Bath Avenue Wolverhampton West Midlands WV1 4EG	Address: Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG
Telephone: 0118 988 0218 / 07377 358638	Telephone: 0118 988 0218 / 07377 358638
Email: Nick.Daniels@provectusgroup.com	Email: Nick.Daniels@provectusgroup.com

JOB/SITE DETAILS

Site Address: Provectus Trinder Road Wokingham RG41 1BH
Nature of Works: Far Source perimeter air monitoring during soil remediation works under semi controlled conditions
Location of Works: Perimeter of remediation site
COMMENTS: Bright clear day. Dry ground, some areas still saturated. Very mild South-Easterly wind. Half slide cuts retained for possible future SEM analysis. All tests satisfactory <0.005 fibre/ml

Analyst: Tom Parkinson	Signature: 
Comments read and agreed by: Jason Dillerstone	

VERSION HISTORY

Issue Number:	Issue date:	Notes/Comments:
1	18 Apr 2024	Original report

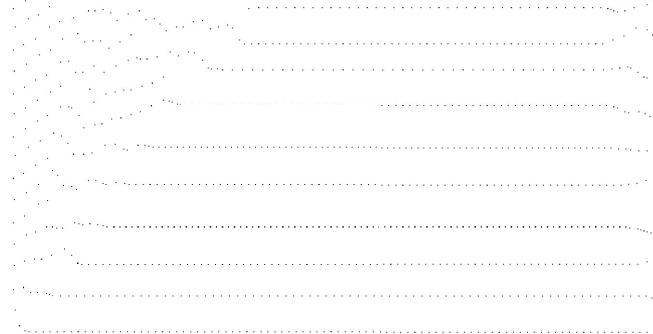


DETERMINATION OF AIRBORNE FIBRE CONCENTRATION

Lab reference: J086384/EK01	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 2 of 6
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Time on site:	09:02	Fibre counting location:	Mobile Lab
Temperature (°C):	11	Pressure (MB):	1012
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	100	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
113	TP01	EK003979	Loc. 1	09:46	8.0	11:47	8.2	8.1	121	980	1.5	196	0.005	0.000	< 0.005
123	TP02	EK003980	Loc. 2	09:47	8.0	11:48	8.2	8.1	121	980	3	196	0.005	0.001	< 0.005
066	TP03	EK003981	Loc. 3	09:48	8.0	11:49	8.0	8.0	121	968	3	200	0.005	0.001	< 0.005
043	TP04	EK003982	Loc. 4	09:50	8.0	11:51	8.0	8.0	121	968	2.5	200	0.005	0.001	< 0.005
113	TP01	EK003984	Loc. 1	12:00	8.0	14:02	8.0	8.0	122	976	2.5	198	0.005	0.001	< 0.005





DETERMINATION OF AIRBORNE FIBRE CONCENTRATION

Lab reference: J086384/EK01	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 3 of 6
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Time on site:	09:02	Fibre counting location:	Mobile Lab
Temperature (°C):	11	Pressure (MB):	1012
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	100	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

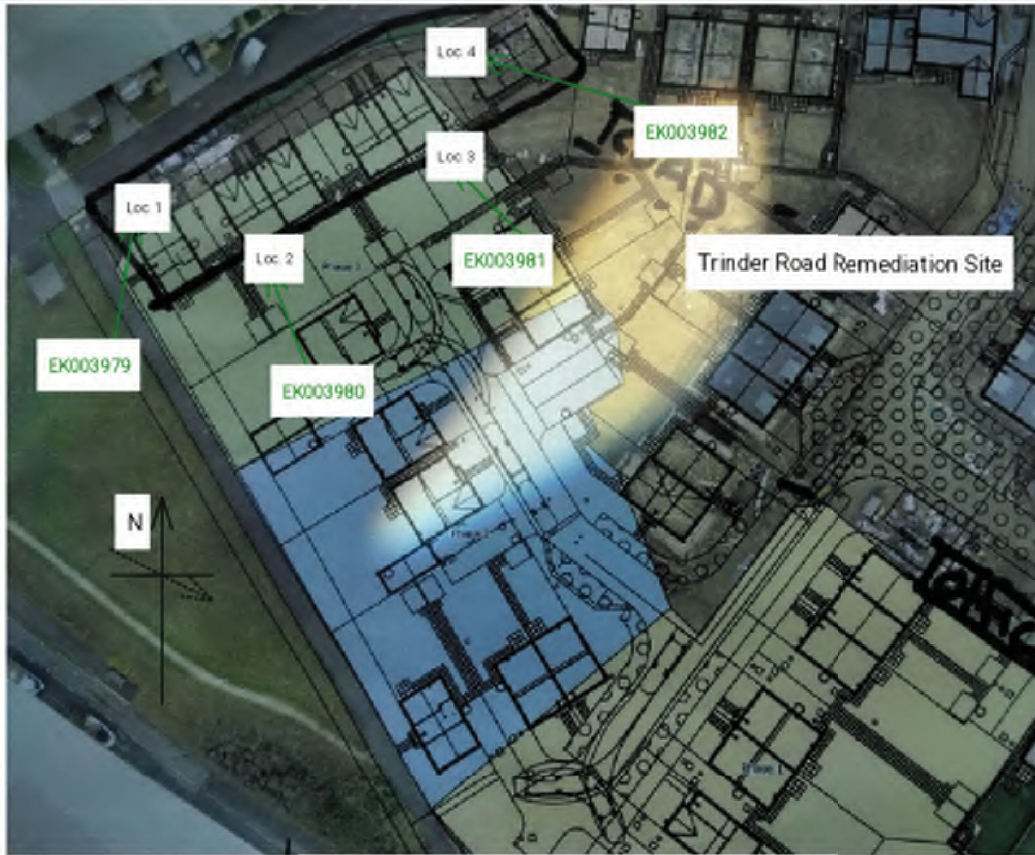
Pump No.	Head No.	Field Reference	Sample Location	Start Time	Flow (l/min)	End Time	Flow (l/min)	Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
123	TP02	EK003985	Loc. 2	12:01	8.0	14:03	8.0	8.0	122	976	1	198	0.005	0.000	< 0.005
066	TP03	EK003986	Loc. 3	12:02	8.0	14:04	7.8	7.9	122	964	2	200	0.005	0.000	< 0.005
043	TP04	EK003987	Loc. 4	12:03	8.0	14:05	8.0	8.0	122	976	3.5	198	0.005	0.001	< 0.005
N/A	TP07	EK003988	Field Blank	N/A	N/A	N/A	N/A	0.0	0	0				Field Blank	

As per 'HSG248' and our in House procedures P050

The results relate only to the items tested, calibrated, or sampled. The current control limit for the most common airborne asbestos fibres is 0.1 fibres/ml of air averaged over a continuous period of four hours. This is the maximum allowed exposure. At all times, the concentration of fibres in the atmosphere must be kept as low as reasonably practicable, and for clearance purposes following the completion of asbestos removal works, a concentration of less than 0.010 fibre/ml should be achieved. Airborne fibres counted in the above table are total respirable fibres and not necessarily asbestos fibres. Vintec, as a participant in R.I.C.E with a current satisfactory classification, conforms to the requirements of ISO/IEC 17025:2017 for asbestos sampling and analysis. Any comments, opinions, or interpretations expressed herein are outside the scope of our UKAS accreditation (accreditation number 1249) and are subjective comments only, whose accuracy we do not guarantee and which should be verified by the client. This report should not be reproduced except in full, without the written approval of the laboratory.

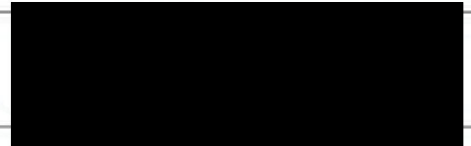
Analyst: Tom Parkinson	Signature:	
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SITE PLAN			
Lab reference: J086384/EK01	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 4 of 6



Analyst:
Tom Parkinson

Analyst
Signature:



SITE PHOTOGRAPHS

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Photograph No.511 –
Far Source static sampling at Location 1 on perimeter of
stock piles during remediation and spot picking



Photograph No.512 –
Far Source static sampling at Location 2 on perimeter of
stock piles during remediation and spot picking



Photograph No.513 –
Far Source static sampling at Location 3 on perimeter of
stock piles during remediation and spot picking

SITE PHOTOGRAPHS

Lab reference:	Date of testing:	Page:
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Photograph No.514 –
Far Source static sampling at Location 4 on perimeter of
stock piles during remediation and spot picking



PERSONAL MONITORING TEST REPORT

Lab reference: J086384/EK02	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 1 of 3
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CLIENT/CONTRACTOR DETAILS

Client: Provectus Remediation Limited	Contractor: Provectus Remediation Limited
Address: Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG	Address: Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG
Telephone: 0118 988 0218 / 07377 358638	Telephone: 0118 988 0218 / 07377 358638
Email: Nick.Daniels@provectusgroup.com	Email: Nick.Daniels@provectusgroup.com

JOB/SITE DETAILS

Site Address: Provectus Trinder Road Wokingham RG41 1BH	
Name and job title: Dragon Stankov - Operative	
Nature of testing: Personal air monitoring during soil remediation works under semi controlled conditions	
Nature of works: Remediation and spot picking of possibly asbestos impacted soils ACM Form and type: Cement, chrysotile ACM Condition: Debris ACM Fixings: Debris ACM Surface Treatment: N/A Enclosure Details: N/A General Activities Taking Place: Spot picking of stock piles during remediation works RPE: Orinasal respirator with P3 filter PPE: Cat3, Type 5 overalls Tools Used: Picker, waste bags Dust Suppression: N/A	
Summary: Personal air monitoring result <0.01 fibre/ml	
Analyst: Tom Parkinson	Signature: 
Comments read and agreed by: Jason Dillerstone	

VERSION HISTORY

Issue Number: 1	Issue date: 18 Apr 2024	Notes/Comments: Original report
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DETERMINATION OF AIRBORNE FIBRE CONCENTRATION

Lab reference: J086384/EK02	Date of testing: 18 Apr 2024	Issue Number: 1	Page: 2 of 3
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Time on site:	09:02	Fibre counting location:	Mobile Lab	As per 'HSG248' and our in House procedures P006, P009 & P022 The current control limit for the most common airborne asbestos fibres is 0.1 fibres/ml of air averaged over a continuous period of four hours. This is the maximum allowed exposure. At all times the concentration of fibres in the atmosphere must be kept as low as reasonably practicable and for clearance purposes following completion of asbestos removal works a concentration of less than 0.01 fibre/ml should be achieved. Vintec is a participant in R.I.C.E with current satisfactory classification. Any comments, opinions, or interpretations expressed herein are outside the scope of our UKAS accreditation (accreditation number 1249), and are subjective comments only whose accuracy we do not guarantee and which should be verified by the client.
Temperature (°C):	11	Pressure (MB):	1012	
Microscope centred:	YES	NPL Test slide band 5/6:	YES	
Eyepiece graticule (µm):	100	Exposed filter diameter (mm):	22.0	
Field blank taken:	NO	Field blank counted:	NO	

Name and job title: Dragon Stankov - Operative

Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
107	TP08	EK003983	Spot picking stock piles	09:58	2.0	14:00	2.0	2.0	242	484	1	200	0.010	0.000	< 0.01

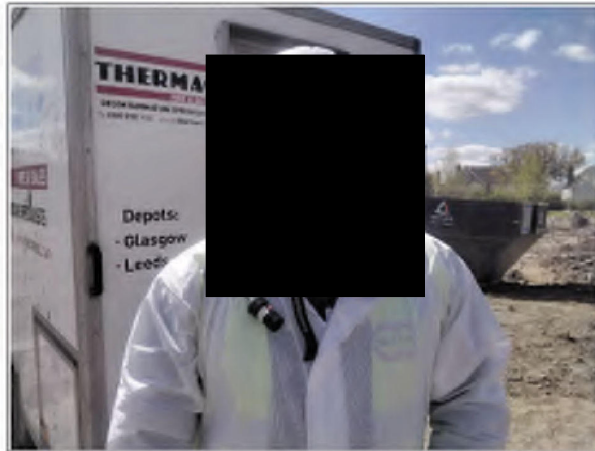
As per 'HSG248' and our in House procedures P050

The results relate only to the items tested, calibrated, or sampled. The current control limit for the most common airborne asbestos fibres is 0.1 fibres/ml of air averaged over a continuous period of four hours. This is the maximum allowed exposure. At all times, the concentration of fibres in the atmosphere must be kept as low as reasonably practicable, and for clearance purposes following the completion of asbestos removal works, a concentration of less than 0.010 fibre/ml should be achieved. Airborne fibres counted in the above table are total respirable fibres and not necessarily asbestos fibres. Vintec, as a participant in R.I.C.E with a current satisfactory classification, conforms to the requirements of ISO/IEC 17025:2017 for asbestos sampling and analysis. Any comments, opinions, or interpretations expressed herein are outside the scope of our UKAS accreditation (accreditation number 1249) and are subjective comments only, whose accuracy we do not guarantee and which should be verified by the client. This report should not be reproduced except in full, without the written approval of the laboratory.

Analyst: Tom Parkinson	Signature:	
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SITE PHOTOGRAPHS

Lab reference:	Date of testing:	Page:
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Photograph No.510 –
Personal air monitoring on operative Dragan Stankov
who will be carrying out spot picking to stock piles

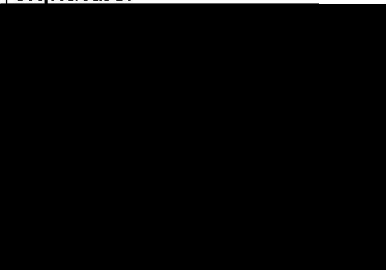


TEST REPORT			
Lab reference: J086385/ER01	Date of testing: 25 Apr 2024	Issue Number: 1	Page: 1 of 6

CLIENT/CONTRACTOR DETAILS

Client: Provectus Remediation Limited	Contractor: Provectus Remediation Limited
Address: Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG	Address: Provectus Remediation Limited, Regent House, Bath Avenue, Wolverhampton, West Midlands, WV1 4EG
Telephone: 0118 988 0218 / 07377 358638	Telephone: 0118 988 0218 / 07377 358638
Email: Nick.Daniels@provectusgroup.com	Email: Nick.Daniels@provectusgroup.com

JOB/SITE DETAILS

Site Address: Provectus, Trinder Road, Wokingham , RG41 1BH ,	Client reference number: 11036
Nature of Works: Far Source perimeter air monitoring during soil remediation works under semi controlled conditions	
Location of Works: Site Perimeter	
COMMENTS: Weather is fine and sunny with a light breeze. Air monitoring satisfactory returning results of <0.005t/ml	
Analyst: Russell Price	Signature: 
Comments read and agreed by: Jason Dillerstone	

VERSION HISTORY

Issue Number:	Issue date:	Notes/Comments:
1	25 Apr 2024	Original report



DETERMINATION OF AIRBORNE FIBRE CONCENTRATION			
Lab reference: J086385/ER01	Date of testing: 25 Apr 2024	Issue Number: 1	Page: 2 of 6

Time on site:	07:22	Fibre counting location:	LA21 KXM
Temperature (°C):	N/A	Pressure (MB):	N/A
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	100	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
385	RP01	ER003122	Site Perimeter	08:48	8.2	10:51	8.2	8.2	123	1009	3	192	0.005	0.001	< 0.005
386	RP02	ER003123	Adjacent Waste Skip and DCU	08:49	8.2	10:53	8.2	8.2	124	1017	2	190	0.005	0.000	< 0.005
387	RP03	ER003124	Adjacent Stockpile	08:51	8.2	10:54	8.2	8.2	123	1009	3	192	0.005	0.001	< 0.005
388	RP04	ER003125	Site Perimeter	08:52	8.2	10:56	8.2	8.2	124	1017	3.5	190	0.005	0.001	< 0.005
385	RP05	ER003126	Site Perimeter	10:51	8.2	12:57	8.2	8.2	126	1033	2.5	186	0.005	0.001	< 0.005



DETERMINATION OF AIRBORNE FIBRE CONCENTRATION

Lab reference:
J086385/ER01

Date of testing:
25 Apr 2024

Issue Number:
1

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Time on site:	07:22	Fibre counting location:	LA21 KXM
Temperature (°C):	N/A	Pressure (MBi):	N/A
Microscope centred:	YES	NPL Test slide band 5/6:	YES
Eyepiece graticule (µm):	100	Exposed filter diameter (mm):	22.0
Field blank taken:	YES	Field blank counted:	NO

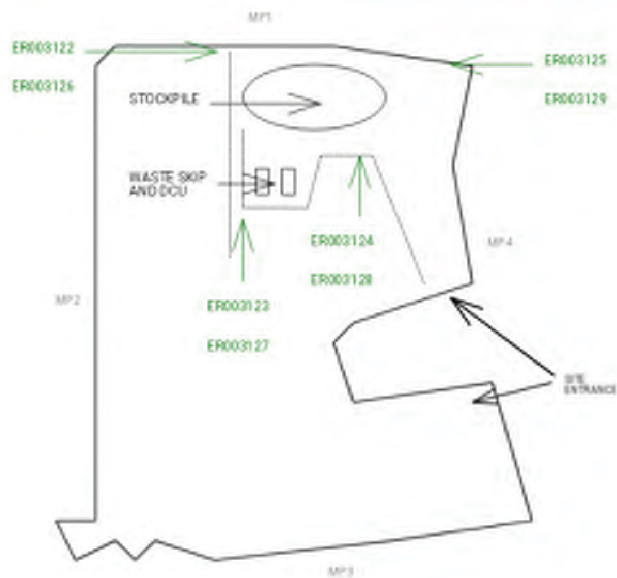
Pump No.	Head No.	Field Reference	Sample Location	Start		End		Mean Flow (l/min)	Total Test Duration (mins)	Total Volume (litres)	Fibres	Fields	LoQ (f/ml)	Calc result (f/ml)	Fibre Conc (f/ml)
				Time	Flow (l/min)	Time	Flow (l/min)								
386	RP06	ER003127	Adjacent Waste Skip and DCU	10:53	8.2	12:58	8.2	8.2	125	1025	1.5	188	0.005	0.000	< 0.005
387	RP07	ER003128	Adjacent Stockpile	10:55	8.2	12:59	8.2	8.2	124	1017	2	190	0.005	0.000	< 0.005
388	RP08	ER003129	Site Perimeter	10:56	8.2	12:59	8.1	8.15	123	1002	4.5	192	0.005	0.001	< 0.005
N/A	RP09	ER003130	Field Blank	N/A	N/A	N/A	N/A	0.0	0	0				Field Blank	

As per 'HSG248' and our in House procedures P050

The results relate only to the items tested, calibrated, or sampled. The current control limit for the most common airborne asbestos fibres is 0.1 fibres/ml of air averaged over a continuous period of four hours. This is the maximum allowed exposure. At all times, the concentration of fibres in the atmosphere must be kept as low as reasonably practicable, and for clearance purposes following the completion of asbestos removal works, a concentration of less than 0.010 fibre/ml should be achieved. Airborne fibres counted in the above table are total respirable fibres and not necessarily asbestos fibres. Vintec, as a participant in R.I.C.E with a current satisfactory classification, conforms to the requirements of ISO/IEC 17025:2017 for asbestos sampling and analysis. Any comments, opinions, or interpretations expressed herein are outside the scope of our UKAS accreditation (accreditation number 1249) and are subjective comments only, whose accuracy we do not guarantee and which should be verified by the client. This report should not be reproduced except in full, without the written approval of the laboratory.

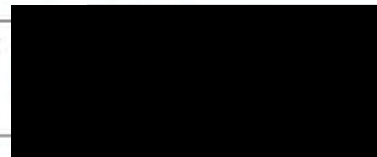
Analyst: Russell Price	Signature	
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SITE PLAN			
Lab reference: J086385/ER01	Date of testing: 25 Apr 2024	Issue Number: 1	Page: 4 of 6



Analyst:
Russell Price

Analyst Signature:



SITE PHOTOGRAPHS

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Photograph No.4229 –
Fair Source Pump 385



Photograph No.4231 –
Far Source Pump 386



Photograph No.4232 –
Far Source Pump 387

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Photograph No.4233 –
Far Source Pump 388

APPENDIX D – ENVIRONMENTAL PERMITTING

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Waste Recycling Group (Central) Limited
Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT

Variation application number

EPR/HP3632RP/V003

Permit number

EPR/HP3632RP

Edwin Richards Quarry - Soil Treatment Centre

Permit number EPR/HP3632RP

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 operator has applied to vary the permit to

- Amend the split of hazardous / non-hazardous waste treated at the facility by increasing the annual throughput for hazardous waste from 29,999 tonnes per annum (tpa) to 89,999 tpa and reducing the annual throughput for non-hazardous waste from 120,001 tpa to 60,001 tpa;
- Permit acceptance of wastes classified as hazardous HP10 (toxic for reproduction);
- Addition of EWC Codes 19 12 11* other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances and 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 to Table S2.3;
- Addition of code R5 to Table S1.1 to enable equivalent treatment activities to S5.3 A(1)(a)(i) and S5.4 A(1)(b)(i) for recovery as well as disposal;
- Increase of non-hazardous waste storage limit from 100,000 tonnes to 150,000 tonnes;
- Amendment to Table S1.1 Activity S5.6 A(1)(a) or addition of a new activity for the temporary external storage of up to 10,000 tonnes untreated hazardous soils containing asbestos pending further treatment or transfer off-site;
- Permission to pre-screen soils containing bonded asbestos debris; and,
- Removal of the dewatering and solidification activities.

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/HP3632RP/V003	Duly made 08/02/2016	Application for new permit for a waste soil treatment facility.
Additional information received response to schedule 5 notice	10/05/2016	Additional information, including; site drainage plans.
Additional information received response to schedule 5 notice and request for additional information.	23/06/2016	Additional information, including; confirmation of waste types and biopile monitoring parameters.
Additional information received response to schedule 5 notice	30/06/2016	Email confirming destination of uncontaminated surface water runoff.
Permit determined EPR/HP3632RP	25/07/2016	Permit issued to Waste Recycling Group (Central) Limited.

Status log of the permit		
Description	Date	Comments
(PAS Billing ref. HP3632RP)		
Application EPR/HP3632RP/V002 (variation and consolidation)	Duly made 16/11/17	Application to vary the permit to add hand picking of identifiable pieces of bonded asbestos from waste soil. Waste code 19 12 07 is also added to Table S2.3 for the bioremediation process. As part of this variation a consolidated permit has been issued.
Variation determined EPR/HP3632RP/V002	26/02/18	Varied permit issued.
Application EPR/HP3632RP/V003 (variation and consolidation)	Duly made on 05/11/2019	Application to • Amend the split of hazardous / non-hazardous waste treated at the facility; • Permit acceptance of wastes classified as hazardous HP10 (toxic for reproduction); • Addition of EWC Codes 19 12 11* and 19 12 12 to Table S2.3; • Addition of code R5 to Table S1.1 to enable equivalent treatment activities to S5.3 A(1)(a)(i) and S5.4 A(1)(b)(i) for recovery as well as disposal; • Increase of non-hazardous waste storage limit from 100,000 tonnes to 150,000 tonnes; • Amendment to Table S1.1 Activity S5.6 A(1)(a) or addition of a new activity for the temporary external storage of up to 10,000 tonnes untreated hazardous soils containing asbestos pending further treatment or transfer off-site; • Permission to pre-screen soils containing bound asbestos debris; and, • Removal of the dewatering and solidification activities.
Additional information received response to schedule 5 notice	22/06/2020, 26/06/2020 & 14/07/2020	Letters with responses including, removal of EWC codes 17 09 03* & 17 09 04 to Table S2.6 from the application and 30 M ³ limit of storage of waste woodchip only.
Additional information received response to schedule 5 notice	16/07/2020	Letter with responses including drawing no. 100993 – Asbestos DWG2/Rev 2 dated June 2020 (drainage plan) and a revised H1 assessment in connection with water discharges from the site.
Additional information received response to schedule 5 notice	02/11/2020	Email requesting a change in annual throughput for both hazardous and non-hazardous wastes. Other documents submitted: - An updated Environmental Risk assessment,

Status log of the permit		
Description	Date	Comments
		Emissions management and monitoring plan including drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020, An updated technical report, and An updated technical standards document.
Additional information received	13/05/2021	Email with confirmation of wastes types that can only be treated for disposal purposes in the bioremediation process.
Variation determined EPR/HP3632RP/V003	02/06/2021	Varied permit issued.

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

Permit number

EPR/HP3632RP

Issued to

Waste Recycling Group (Central) Limited ("the operator")

whose registered office is

**Ground Floor West
900 Pavilion Drive
Northampton Business Park
Northampton
NN4 7RG**

company registration number 04000033

to operate a regulated facility at

**Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT**

to the extent set out in the schedules.

The notice shall take effect from 02/06/2021

Name	Date
Daniel Timney	02/06/2021

Authorised on behalf of the Environment Agency

Schedule 1

Only conditions 2.3.4, Table S1.1, Table S1.2, Table S1.3, Table S1.4, Table S2.2, Table S2.3, Table S2.4, Table S3.2, Table S3.3, Table S4.1 and Table S4.2 have been varied by the consolidated permit
EPR/HP3632RP

The following conditions were varied as a result of the application made by the operator:

- Condition 2.3.4 has been amended to reflect the change to the numbering of the waste types tables.
- Table S1.1 has been amended to remove the dewatering and solidification activities, including reference to the associated waste types table (Table S2.4) and remove the DAA non-hazardous waste storage, associated waste types table (Table S2.5) not connected to on-site treatment activities, add R5 operations for the bioremediation process and limiting certain waste types to treatment for disposal purposes only, limit the storage of combustible waste on site to 30M³ and to permit the use of the mechanical screener once pre-operational condition 1 has been given written permission.
- Table S1.2 to reference new documents in the operating techniques.
- Table S1.3 to include a pre-operational condition in connection with the use of the mechanical screener for the screening of asbestos contaminated soils.
- Table S1.4 to indicate the improvement condition has been completed.
- Table S2.2 to amend the annual tonnage of hazardous and non-hazardous that can be accepted on site and restrict the combustible waste to untreated woodchip only.
- Table S2.3 to amend the annual tonnage of hazardous and non-hazardous that can be accepted on site, restrict the combustible waste to untreated woodchip only, add EWC codes 19 12 11* and 19 12 12 and to add HP10 .
- Table S2.4 replaces Table S2.6 and amend the annual tonnage of hazardous and non-hazardous that can be accepted on site
- Table S3.2 to include the reference to the drainage plan.
- Table S3.3 to include details on the asbestos monitoring for both the external and internal activities and reference to a new location plan.
- Table S4.1 to include reporting requirements for asbestos monitoring.
- Table S4.2 to remove reference to the dewatering and solidification activities.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/HP3632RP

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HP3632RP/V003 authorising,

Waste Recycling Group (Central) Limited ("the operator"),

whose registered office is

**Ground Floor West
900 Pavilion Drive
Northampton Business Park
Northampton
NN4 7RG**

company registration number 04000033

to operate an installation at

**Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Daniel Timney	02/06/2021

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, closure 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 Energy efficiency

- 1.2.1 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) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 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.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and 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”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green 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.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
 - (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3 and S2.4, and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
 - (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Hazardous waste storage and treatment

- 2.3.7 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.4 Pre-operational conditions

- 2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

2.5 Improvement programme

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.4 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.5.2 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.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 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 a 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 specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2;
 - (b) process monitoring specified in table S3.3;
- 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 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

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 from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
- (b) implement the fire prevention 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) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

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 all 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 shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) 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 the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

- 4.2.4 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.
- 4.2.5 Within 1 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.

4.3 Notifications

4.3.1 In the event:

- (a) 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) 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) 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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 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.

4.3.5 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.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

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 No. and activity description	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1 - Physical treatment of hazardous waste	S5.3A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	From receipt of hazardous waste to despatch for other on-site operations or off-site disposal. Physical treatment consisting of sorting, separation and screening of hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system Temporary storage of hazardous waste following treatment for off-site disposal. The hazardous waste specified in table S2.2
AR2 - Asbestos removal from soils	S5.3A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	From receipt of hazardous waste through to storage of treated waste prior to being subject to bioremediation or sent off-site for disposal. Treatment consisting only of the following: • Once pre-operational condition 1 has been given written permission the mechanical screening of waste soil prior to transfer to the hand picking line. • Hand picking of identifiable pieces of bonded asbestos from waste soils in a dedicated enclosed picking line All treatment and storage shall take place on an impermeable surface with a sealed drainage system within the building (labelled as 'dust shed') as shown on drawing number 100993 – Asbestos DWG1 dated January 2018.

Table S1.1 activities			
Activity Reference No. and activity description	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			Waste subject to this process shall only be contaminated with asbestos alone or in combination with hydrocarbons. Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip. Temporary storage of hazardous waste following treatment prior to further treatment on site or off-site disposal. Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal. Waste types and quantities as specified in Table S2.4.
AR3 - Physical treatment of non-hazardous waste	S5.4A(1)(a)(ii)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	From receipt of non-hazardous waste to despatch for other on-site operations or off-site disposal. Physical treatment consisting of sorting, separation, screening and crushing of non-hazardous waste. Temporary storage of non-hazardous waste following treatment prior to further treatment on site or off-site disposal. The non-hazardous wastes specified in table S2.2
AR4 - Bioremediation of hazardous waste for disposal	S5.3 A(1)(a)(i)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment D8: Biological treatment resulting in final compounds or mixtures which are discarded by any of the	Bioremediation process for hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system Temporary storage of hazardous waste following bioremediation,

Table S1.1 activities			
Activity Reference No. and activity description	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
		operations numbered D1 to D12	pending further treatment on-site or off-site disposal. The hazardous waste specified in table S2.3
AR5 - Bioremediation of hazardous waste for recovery	S5.3 A(1)(a)(i)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment R5: Biological treatment	Bioremediation process for hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system Temporary storage of hazardous waste following bioremediation, pending further treatment on-site or off-site recovery. The hazardous waste specified in table S2.3. Notwithstanding the above, the following waste EWC codes shall not be treated for recovery purposes: 19 02 04*, 19 02 05*, 19 02 11* & 19 1211*
AR6 - Bioremediation of non-hazardous waste for disposal	S5.4A(1)(a)(i)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment D8: Biological treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	Bioremediation process for non-hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system. Temporary storage of non-hazardous waste following bioremediation, pending further treatment on-site or off-site disposal. The non-hazardous wastes specified in table S2.3.
AR7 - Bioremediation of non-hazardous waste for recovery	S5.4A(1)(b)(i)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment R5: Biological treatment	Bioremediation process for non-hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system.

Table S1.1 activities			
Activity Reference No. and activity description	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			Temporary storage of non-hazardous waste following bioremediation, pending further treatment on-site or for recovery. The non-hazardous wastes specified in table S2.3. Notwithstanding the above, the following waste EWC codes shall not be treated for recovery purposes: 19 02 03 & 19 12 12.
AR8 - Temporary storage of hazardous waste pending treatment on site.	S5.6 A(1)(a)	The temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes pending any of the activities listed in sections 5.1, 5.2 and 5.3. D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) R13: Storage of waste pending the operations numbered R1 and R13 (excluding temporary storage, pending collection, on the site where it is produced)	Temporary storage of hazardous waste pending treatment on site under activities AR1, AR2, AR4 and AR5. All hazardous waste shall be stored on an impermeable surface with a sealed drainage system. Asbestos contaminated soil shall be stored either within the building as shown on drawing number 100993 – Asbestos DWG1 dated January 2018 (labelled as ‘dust shed’) in a way that minimises asbestos fibre emissions or stored externally, ensuring it remains damped down and covered, unless being transported, so as to minimise potential asbestos fibre emissions. The maximum amount of asbestos contaminated soil to be stored externally shall not exceed 10,000 tonnes. Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip. Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal.

Table S1.1 activities			
Activity Reference No. and activity description	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			Hazardous wastes as specified in table S2.2 table S2.3 and table S2.4.
Directly Associated Activity			
AR9	Fuel storage	Storage of diesel.	From receipt of fuel to use on-site for power generation
AR10	Water storage	Collection and storage of process water	From collection of process water to re-use within the facility or discharge to foul sewer.
AR11	Waste storage	Temporary storage of non-hazardous waste D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) R13: Storage of waste pending the operations numbered R1 and R13 (excluding temporary storage, pending collection, on the site where it is produced)	Temporary storage of non-hazardous waste prior to treatment on site under activities AR3, AR6 and AR7 above. The maximum tonnage of non-hazardous waste stored on site, at any one time, shall not exceed 150,000 tonnes. Notwithstanding the above, the maximum volume of combustible waste (wood) on site at any one time shall not exceed 30m³. Storage of combustible waste shall take place on an impermeable surface with a sealed drainage system Non-hazardous wastes specified in table S2.2 and S2.3.
AR12	Raw material storage	Temporary storage of raw materials including solidifying agents such as ash prior to use in the solidification process.	From the receipt of raw materials to despatch for use within the facility.
AR13	Effluent treatment plant	Treatment of process water prior and the re-use of such water on site to discharge from the site.	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/HP3632RP/A001	Application forms B2 and B3 and referenced supporting information. Excluding waste code 17 06 05* for the Soil Treatment Centre Waste Types in Table 3.3 (Page 36) dated 27 November 2015. Excluding the woody waste limit of < 1% of the biopiles volume.	Duly Made 08/02/2016
Response to schedule 5 notice EPR/HP3632RP/A001	All parts, including; hazardous and non-hazardous waste treatment and storage procedures. Excluding waste code 17 06 05* for the Soil Treatment Centre Waste Types Accepted for Physical Treatment in Table A1 (Page 11) of the Schedule 5 Response dated 10 May 2016.	10/05/2016
Response to schedule 5 notice and request for additional information. EPR/HP3632RP/A001	All parts, including; confirmation of biopile performance parameter monitoring regime.	23/06/2016
Response to schedule 5 notice EPR/HP3632RP/A001	Confirmation of surface water drainage destination.	30/06/2016
Application EPR/HP3632RP/V002	Application form C3 section 3a – technical standards and referenced supporting information.	Duly Made 16/11/17
Response to Schedule 5 Notice dated 15/01/18	All parts document reference: 3483/L/007/05.	29/01/18
Application EPR/HP3632RP/V003	Application form C3 section 3a – technical standards and referenced supporting information. Odour Management plan ref 4236/R/006/2 Dust Management Plan ref 4236/R/005/2	Duly Made 05/11/2019
Response to Schedule 5 Notice dated 28/09/2020	An updated Environmental Risk assessment, Emissions management and monitoring plan amendment, An updated technical report, and An updated technical standards document.	02/11/2020
Additional information	Email with confirmation of wastes types that can only be treated for disposal purposes in the bioremediation process.	13/05/2021

Table S1.3 Pre-operational measures	
Reference	Pre-operational measures
1	Prior to the use of the mechanical screener for the pre-screening of asbestos contaminated soils under activity reference AR2 a report shall be submitted for written permission detailing the following aspects: • Evidence to demonstrate that the mechanical screener is fully enclosed and all dust emissions from the screening operation are directed to an active abatement system with a HEPA filter or other suitable design. • Details of the proposed commissioning, operational and maintenance procedures associated with the mechanical screener and active abatement system to be implemented on site. • Details of monitoring checks, audits and emergency procedures to be implemented on site to ensure both the mechanical screener and active abatement system are fully operational and working as designed. No mechanical pre-screening of asbestos contaminated soils under activity reference AR2 shall commence unless the Environment Agency has given prior written permission under this condition.

Table S1.4 Improvement programme requirements		
Reference	Requirement	Date
IP1	The Operator shall complete the site drainage works within the building (labelled as 'dust shed'), as detailed in point 3 of the Schedule 5 response dated 29/01/18, to: • seal the redundant manholes; • install kerbing at both the entrance and exit; and • install a drainage sump to collect any excess runoff generated from the spraying of water used to control dust and asbestos fibres. Following completion of these works the operator shall submit a revised site drainage plan to the Environment Agency.	Completed

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
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 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 05*	oil spills
05 01 15*	spent filter clays
10	Wastes from thermal processes
10 09	wastes from casting of ferrous pieces
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 10	wastes from casting of non-ferrous pieces
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
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
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

Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
Waste code	Description
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood (consisting of untreated woodchips only)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
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
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing hazardous substances
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 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 04*	premixed wastes composed of at least one hazardous waste – wastes suitable for biological treatment only
19 02 05*	sludges from physico/chemical treatment containing hazardous substances – wastes suitable for biological treatment only
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 – wastes suitable for biological treatment only
19 02 11*	other wastes containing hazardous substances – wastes suitable for biological treatment only
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water

Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
Waste code	Description
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 13	wastes from soil and groundwater remediation
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 (consisting of untreated woodchips only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
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 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 05*	oil spills

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
Waste code	Description
05 01 15*	spent filter clays
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
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
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	Wood (consisting of untreated woodchips only)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
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
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 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 04*	premixed wastes 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
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
Waste code	Description
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than that mentioned in 19 12 06 (consisting only of untreated woodchip)
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances. (consisting of soils only)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11. (consisting of soils only)
19 13	wastes from soil and groundwater remediation
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 (consisting of untreated woodchips only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 03	street-cleaning residues

Table S2.4 Permitted waste types and quantities for handpicking of asbestos waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,000 tonnes per annum of non-hazardous waste will be accepted for treatment at the site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Asbestos in unbound fibrous form (FREE CHRYSOTILE FIBROUS ASBESTOS IN THE SOIL MUST BE < 0.1% w/w. OTHER FORMS OR MIXED FORMS OF FIBROUS ASBESTOS IN THE SOIL MUST BE <0.01% w/w) Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15
Waste code	Description
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances (CONTAINS IDENTIFIABLE PIECES OF BONDED ASBESTOS (any particle of a size that can be identified as potentially being asbestos by a competent person if examined by the naked eye))
17 05 04	soil and stones other than those mentioned in 17 05 03 (CONTAINS IDENTIFIABLE PIECES OF BONDED ASBESTOS (any particle of a size that can be identified as potentially being asbestos by a competent person if examined by the naked eye))
17 06	insulation materials and asbestos-containing construction materials
17 06 05*	construction materials containing asbestos (DISCRETE PIECES OF BONDED ASBESTOS WITHIN THE SOIL MATRIX ONLY)

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 (biofilter on Figure 3, Site Layout dated November 2015, submitted with EPR/HP3632RP/A 001)	Biofilter - Soil Treatment	Total Petroleum Hydrocarbons (TPH)	No limit set	Hourly mean	Monthly	As per M8 or other subsequent guidance as agreed in writing with the Environment Agency
		Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	No limit set	Hourly mean	Monthly	
		Polycyclic Aromatic Hydrocarbons (PAHs)	No limit set	Hourly mean	Monthly	

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Emission point/s as shown on drawing reference 33012-Shr166- Figure 1 Drainage plan	Site effluent from waste processing and storage areas	No parameter set	No limit set	--	--	--
Emission point/s as shown on drawing reference 33012-Shr166- Figure 1 Drainage plan	Uncontaminated site source water from roofs and other non-operational areas	No parameter set	No limit set	--	--	--

Table S3.3 Process monitoring requirements					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Biofilter	Temperature	--	As required	Temperature probe	Biofilter shall be regularly checked and maintained to ensure appropriate temperature and moisture content. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	--	As required	None specified	
	Thatching/ compaction	--	As required	None specified	
Internal for each biopile batch during bioremediation	Temperature	--	At least weekly	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	--	As required	None specified	
	pH	--	At least fortnightly	None specified	
	Oxygen	--	At least weekly	None specified	
Air testing within the building (labelled as 'dust shed') for the duration of the asbestos hand picking works and, once pre-operational condition 1 has been given written permission, at all times when the mechanical screening of waste soil is taking place.	Asbestos fibres	0.01 fibres/ml Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	During the asbestos hand picking works 1 hour at 8 l/min	In line with M17 monitoring guidance While asbestos is being treated. - Pumped sampling 1m above ground level - Flow rate = 8 litres/ minute - Minimum sample volume = 480 litres - Filter pore size = 0.8-1.2µm Asbestos fibre limit of detection = 0.001 fibres/ml	--

Table S3.3 Process monitoring requirements					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Sampling points as detailed in Schedule 5 response dated 29/01/18 and shown on drawing 100993 – Asbestos DWG1 dated January 2018.					
Outside air testing when asbestos contaminated soils are being received, handled and moved within the site Outside Sampling points as detailed in drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020.	Asbestos fibres	0.01 fibres/ml. Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	During receipt, handling and movement of asbestos contaminated soil within the site 1 hour at 8 l/min or other agreed period in writing.	In line with M17 monitoring guidance While asbestos contaminated soils are being received, handled and moved within the site. • Pumped sampling • 1m above ground level • Flow rate = 8 litres/ minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2µm Asbestos fibre limit of detection = 0.001 fibres/ml	--

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	Emission or monitoring point/reference	Reporting period	Period begins
Biofilter efficiency Parameters as required by condition 3.5.1	Biofilter	Every 12 months	1 January
Asbestos fibres Parameters as required by condition 3.5.1	Air testing within the building (labelled as 'dust shed') during the asbestos hand picking works and, once pre-operational condition 1 has been given written permission, at all times when the mechanical screening of waste soil is taking place. Outside air testing when asbestos contaminated soils are being received, handled and moved within the site Internal Sampling points as detailed in Schedule 5 response dated 29/01/18 and shown on drawing 100993 – Asbestos DWG1 dated January 2018. Outside sampling points as detailed in drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020.	Every 3 months	1 January, 1 April, 1 July, 1 October

Table S4.2 Annual production/treatment	
Parameter	Units
Bioremediation Plant (treatment)	Tonnes per year
Treatment of hazardous waste (total)	Tonnes per year
Treatment of non-hazardous waste (total)	Tonnes per year

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes or m ³
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Waste returns	E-Waste Return Form	--
Asbestos Fibres	Form particle 1 or other form as agreed in writing by the Environment Agency	26/02/2018

Schedule 5 – Notification

These pages outline 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	
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 submitted 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.

“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.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the 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.

“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.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“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.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means Birds, Vermin and Insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on 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.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, tables S2.2 and S2.3, for that those tables, 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

‘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



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END OF PERMIT

Permit number
EPR/HP3632RP



THAMES WATER UTILITIES LTD.

Water Industry Act 1991

SHORT TERM CONSENT TO THE DISCHARGE OF TRADE EFFLUENT

WHEREAS

1. Provectus Remediation Limited
Regent House
Bath Avenue
Wolverhampton
West Midlands
WV1 4EG

is/are the occupier(s)/owner(s) (hereinafter called THE APPLICANT) of the trade premises known as Provectus Remediation Limited and situated at Vistry Thames Valley Bovis Homes Emmbrook Place Emmbrook Wokingham RG41 1DL

(hereinafter called THE PREMISES) and by notice dated Twenty Ninth day of February, Two Thousand and Twenty Four has/have made application to Thames Water Utilities Ltd. (hereinafter called THE COMPANY) to Consent to the discharge of Trade Effluent by him/her/them from THE PREMISES into THE COMPANY's public foul water and/or combined sewers.

2. Now therefore in exercise of the powers conferred upon it in that behalf as a sewerage undertaker by the Water Industry Act 1991, THE COMPANY HEREBY CONSENTS to the discharge of Trade Effluent from THE PREMISES into THE COMPANY's public foul or combined sewer(s) (hereinafter called THE SEWER(S)) subject to the following conditions:

Nature and composition

1. The nature and composition of the Trade Effluent (hereinafter called THE TRADE EFFLUENT) to be discharged under this Consent is: Waste liquids arising from groundwater from excavations

Sewer(s) affected	2. (a) THE SEWER(S) into which THE TRADE EFFLUENT may be discharged is/are THE SEWER(S) detailed below: 150mm foul sewer Mathewsgreen Road MH4801 (b) No connection shall be made to the said sewer without the prior approval of THE COMPANY and all such connections shall be constructed and maintained to the satisfaction of THE COMPANY at the expense of THE APPLICANT. (c) No change shall be made in such point(s) of discharge without prior Consent in writing of THE COMPANY.
Maximum quantity to be discharged	3. The maximum quantity of THE TRADE EFFLUENT which may be discharged on any one day of twenty-four hours determined from midnight to midnight shall not exceed 90.000m³.
Maximum rate of discharge	4. a) The maximum rate at which THE TRADE EFFLUENT may be discharged shall not exceed 18.000m³ per hour. b) The maximum rate at which THE TRADE EFFLUENT may be discharged shall not exceed 5.000 litres per second.
Matter to be eliminated prior to discharge to the sewer(s)	5. (a) There shall be eliminated from THE TRADE EFFLUENT before it is discharged into THE SEWER(S) any matter, which, either alone or in combination with any matter with which it is likely to come into contact while passing through any sewers, would injure or obstruct any such sewers or cause injury to and/or damage to the health of any person lawfully present in, or in the vicinity of, such sewers, pumping stations or sewage treatment works or would make especially difficult or expensive the treatment or disposal of their contents and in particular but without prejudice to the generality of the foregoing words the following matters:-- (i) Petroleum spirit (ii) Calcium carbide (iii) Thiourea and thiourea derivatives (iv) Non biodegradable detergents Such discharges would constitute a criminal offence under section 111 of the Water Industry Act 1991. (b) Unless specified in APPENDIX 1, THE TRADE EFFLUENT shall not contain any substances determined by the Environment Agency as hazardous chemicals and elements (or "specific substances") at a concentration greater than background as defined in the Trade Effluents (Prescribed Processes and Substances) Regulations 1989. (c) THE TRADE EFFLUENT shall not contain any of the substances listed in APPENDIX 1 at a concentration expressed in milligrams per litre greater than that stated. SEE APPENDIX 1
Temperature	6. No Trade Effluent shall be discharged which has a temperature higher than 43 degrees Celsius

- | | |
|--------------------------------|---|
| Acidity or alkalinity | 7. No Trade Effluent shall be discharged the pH value of which is less than 6.0 or greater than 11.0. |
| Changes in occupier or process | <p>8. (a) THE APPLICANT shall give to THE COMPANY notice in writing of any changes or proposed changes in the company name, address, occupier, processes, volume or discharge rate of THE TRADE EFFLUENT or changes which may result in the permanent cessation of the discharge.</p> <p>(b) THE APPLICANT shall give to THE COMPANY 21 (twenty-one) days prior written notice of any change in the process, process materials or any other circumstances likely to alter the nature and composition as set out in section 1. THE COMPANY shall have the right to refuse to agree to the change.</p> <p>(c) Any substance not declared on the Notice may not be discharged and shall not prejudice the right of THE COMPANY to serve a Notice of Direction within 2 (two) years from the date of issue of this Consent.</p> |
| Payment | <p>9. The APPLICANT shall be liable for payment of Trade Effluent Charges including:</p> <p>(a) A sum calculated in accordance with the provisions contained in THE COMPANY's Wholesale Tariff Document.</p> <p>(b) Any additional expenses which THE COMPANY may from time to time incur with respect to the monitoring, analysis, reception, treatment and disposal of THE TRADE EFFLUENT.</p> <p>(c) Where samples taken by THE COMPANY establish that THE APPLICANT is in breach of a Consent, THE APPLICANT shall be liable to pay the sampling and analysis charge for each sample that was necessary to take in order to establish such a breach, which shall be the charge set out in THE COMPANY's Wholesale Tariff Document.</p> |
| Entry and samples | 10. Any person designated by THE COMPANY may on any occasion inspect, examine and test any works and apparatus installed in connection with THE TRADE EFFLUENT and obtain and take any sample of TRADE EFFLUENT from THE PREMISES. |
| Inspection | 11. A safe and suitable inspection chamber or manhole shall be provided by THE APPLICANT to the satisfaction of THE COMPANY and located in a suitable position in relation to each pipe through which THE TRADE EFFLUENT is being discharged. The inspection chamber or manhole shall be so constructed and maintained by THE APPLICANT as to enable duly authorised representatives of THE COMPANY to take samples at any time of the matter passing into THE SEWER(S) from THE PREMISES |

Measurement and
determination of
discharge

12. (a) Private meters may be necessary for the calculation of charges and compliance with the conditions of this Consent. These meters (hereinafter called PRIVATE METERS), if required by THE COMPANY, must be adequate for continuous measurement and automatically recording the volume, nature, composition and rate of discharge of THE TRADE EFFLUENT being discharged into THE SEWER(S) and shall be provided and maintained by THE APPLICANT to the satisfaction of THE COMPANY.

(b) The installation, accuracy testing, repair, replacement, calibration and exchange of PRIVATE METERS is the responsibility of THE APPLICANT and shall be carried out by THE APPLICANT in accordance with the conditions set out below:

THE APPLICANT shall notify THE COMPANY of its intention to install a new PRIVATE METER; Within five (5) business days of the meter installation, THE APPLICANT shall provide to THE COMPANY details of the meter installation including meter serial number, meter location, a calibration certificate (where required), initial read and supporting photographic evidence. The photographic evidence must include the initial read and the meter serial number and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

PRIVATE METERS shall be calibrated at least annually or more frequently if specified by THE COMPANY and certificated by a suitably qualified person and/or company approved by THE COMPANY;

THE APPLICANT shall arrange for any PRIVATE METERS to be repaired, replaced, exchanged or tested as appropriate within timescales agreed with THE COMPANY;

In the event of replacement or exchange of the PRIVATE METER, THE APPLICANT shall, within five (5) business days of the meter replacement, provide to THE COMPANY details of the meter removal and installation including meter serial numbers, meter location, a calibration certificate (where required), final read, initial read (and the dates of the final read and initial read) and supporting photographic evidence. The photographic evidence must include the final read, initial read and the meter serial numbers and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

In the event of repair of the PRIVATE METER, THE APPLICANT shall, within five (5) business days of the meter repair, provide to THE COMPANY details of the meter read and supporting photographic evidence. The photographic evidence must include the meter read and the meter serial number and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

In the event of testing of the PRIVATE METER, THE APPLICANT shall notify THE COMPANY of the test results within twenty (20) business days of the testing.

Records

13. (a) Records in such a form as THE COMPANY may require shall be kept by THE APPLICANT of the volume, rate of discharge, nature and composition of THE TRADE EFFLUENT discharged into THE SEWER(S) and shall be made available for inspection at any time by duly authorised representatives of THE COMPANY and copies of such records shall be sent to THE COMPANY on demand.

(b) If any PRIVATE METER ceases to register or measure correctly then, unless otherwise agreed, the volume during the period from the date on which the records were last accepted by THE COMPANY as being correct up to the date when the PRIVATE METER again registers correctly shall, for the purpose of any charges, be based on the average daily volume during the period of one month preceding the date on which the said records were last accepted as aforesaid or during the month immediately after the PRIVATE METER has been corrected, whichever is the higher.

(c) The foregoing provisions of this condition shall be of no effect so long as there is available to the satisfaction of THE COMPANY some other method approved by THE COMPANY of sampling THE TRADE EFFLUENT or of determining, continuously measuring and recording volumes and rates of discharge and the nature and composition of THE TRADE EFFLUENT discharged.

Vacation of Site

14. THE APPLICANT(s) must notify THE COMPANY in writing at least 21 days in advance of the following events:
- (a) Vacation of THE PREMISES by THE APPLICANT for any reason, whether permanent or temporary;
 - (b) Change of ownership or occupation of THE PREMISES;
 - (c) THE APPLICANTs entry into liquidation whether voluntarily or compulsorily or bankruptcy, if an individual;
 - (d) The presentation of a petition for the appointment of an administrator or a receiver or manager in respect of THE APPLICANTs undertakings;
 - (e) Cessation of discharge of TRADE EFFLUENT from THE PREMISES

Cessation of Consent

15. This Consent will cease to be effective on the Eleventh day of October, Two Thousand and Twenty Four. If the discharge is to continue after the specified date, a new application must be submitted by, or on behalf of, THE APPLICANT.

Commencement of Discharge

16. The commencement date of this Consent will be:

12th April 2024

THE APPLICANT must not discharge THE TRADE EFFLUENT before the commencement date.

NOTES:

- a) All communications should be sent to the following address:
Trade Effluent
Thames Water Utilities Ltd
Crossness Sewage Treatment Works
Bazalgette Way
Abbey Wood
London
SE2 9AQ

Or Email:
Trade.Effluent@thameswater.co.uk
- b) Your attention is drawn to the right of appeal to the Director General of Water Services conferred by Section 122 of the Water Industry Act 1991 if you are aggrieved by any condition attached to this Consent.
- c) Charges for sewerage services may be payable in addition to Trade Effluent Charges
- d) A copy of the Wholesale Tariff Document is available from Thames Water Utilities Ltd's website
- e) If you discharge Trade Effluent in contravention of a condition of this Consent you will be guilty of a criminal offence and may be subject to prosecution.

APPENDIX 1 - SUBSTANCES

The Trade Effluent shall not contain any of the substances listed below at a concentration expressed in milligrams per litre greater than that stated:

Determinand Name	Consented Limit
Suspended Solids	2000.0
Sulphate	1800.0
Chloride	1500.0
Settleable Solids	500.0
Chemical Oxygen Demand	200.0
Rapidly Settleable Solids	100.0
Total Oil & Grease	50.0
Ammoniacal Nitrogen	35.0

THERE ARE NO FURTHER LIMITS IN THIS APPENDIX

APPENDIX 2 - DISCHARGE POINTS

THERE ARE NO MORE DISCHARGE POINTS

APPENDIX 3 - SEWER PLAN

NO SEWER PLAN AVAILABLE

APPENDIX 4 - ADDITIONAL CLAUSES

NO ADDITIONAL CLAUSES AVAILABLE

Certificate of Registration under the Waste (England and Wales) Regulations 2011

Regulation authority

Name



Address

National Customer Contact Centre
99 Parkway Avenue
Sheffield
S9 4WF

Telephone number

03708 506506

The Environment Agency certify that the following information is entered in the register which they maintain under regulation 28 of the Waste (England and Wales) Regulations 2011.

Carriers details

Name of registered carrier

Provectus Remediation Limited

Registered as

An upper tier waste carrier and dealer

Registration number

CBDU419329

Address of place of business

Regent House
Bath Avenue
Wolverhampton
WV1 4EG

Telephone number

07989665914

Date of registration

12 January 2022

Expiry date of

registration (unless revoked)

12 January 2025

Making changes to your registration

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.



Mr. Gary Chapman
Provectus Remediation Limited
6 Nightingale Place
Pendeford Business Park
Wolverhampton
WV9 5HF

Our Ref: EA/EPR/EB3636AK/A001
EAWML105284 / LT14225

Your Ref:

Date: 06/02/2012



Dear Mr. Chapman

Issue of standard permit

Permit reference: EA/EPR/EB3636AK/A001 (EAWML105284)

Applicant: Provectus Remediation Ltd

Standard facility/facilities: S0827 : Mobile Plant for remediation of land

I enclose a copy of your permit and standard rules list/s.

Please look at the table below and note any of the information or actions that apply to your permit.

If...	then..
you wish to keep your records at a site other than where the activity takes place	you will need to tell your local area officer within 20 working days of receiving this letter. If you do not hear back from them within a further 20 working days please take this to mean we have agreed your record keeping location.
you need to submit quarterly waste returns on waste movements	you can get the forms you need from our website http://www.environment-agency.gov.uk/business/topics/waste/32176.aspx 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 permit includes an installation	we've enclosed the pollution inventory letter, notice and fact sheet

You will also need to look at the document 'How to comply with your environmental permit' as this will help you understand how to meet the conditions of the permit. You can find this on our website at <http://publications.environment-agency.gov.uk/PDF/GEHO0411BTSP-E-E.pdf>. If you do not have internet access please telephone our Customer Contact Centre. 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 area officer.

Yours Faithfully

Oliver Forman
Permitting Support Advisor





**Environment
Agency**

Permit

The Environmental Permitting (England & Wales) Regulations 2010

Provectus Remediation Ltd
9 Kingsdale Business Centre
Regina Road
Chelmsford
Essex
CM1 1PE

Permit number

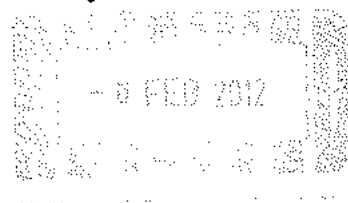
EPR/EB3636AK

Standard rules

Chapter 4, The Environmental Permitting
(England and Wales) Regulations 2010



**Environment
Agency**



Standard rules SR2008No27 - mobile plant for the treatment of soils and contaminated material, substances or products

Introductory note

This introductory note does not form part of these standard rules

When referred to in an environmental permit, these rules will allow the operator to operate mobile plant. The mobile plant shall be for the treatment of soils and the treatment of contaminated material, substances or products for the purpose of remedial action with respect to land or controlled waters.

The operator is allowed to use the following technology and associated plant necessary to facilitate the treatment or remedial action, including the use of that technology and plant in combination with others listed:

- Air sparging
- Bioremediation – in-situ and ex-situ (windrows, biopiles, in-vessel bioreactors)
- Biosparging
- Bioventing
- Chemical Treatment (including oxidation, dehalogenation)
- Ex-situ treatment of pumped groundwater (chemical treatment, biological treatment, air stripping, filtration, carbon adsorption)
- Soil Vapour Extraction (including dual phase SVE)
- Soil Flushing (including steam injection)
- Soil Washing
- Solidification
- Stabilisation
- Thermal treatment (including thermal desorption and steam injection), and
- Treatment plant for blending, mixing, bulking, sorting and segregating, screening, shredding, particle size reduction and / or particle separation in order to facilitate remedial action.

End of introductory note

- 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;
- (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 undertake monitoring for the parameters, at the locations and not less than the frequencies specified in the agreed deployment form.
- 3.5.2 The operator shall maintain records of all monitoring required by these standard rules 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.

4 – Information

4.1 Records

- 4.1.1 All records required to be made by these standard rules 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 by the Environment Agency, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by these standard rules, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by these standard rules to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 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 each site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) 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;

"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.

"impermeable surface" means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface, and should be read in conjunction with the term *"sealed drainage system"* (below).

"pollution" means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"sealed drainage system" in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- (a) no liquid will run off the surface otherwise than via the system;
- (b) except where they may lawfully be discharged, all liquids entering the system are collected in a sealed sump.

"site" means the place where mobile plant is deployed as detailed in the agreed deployment form(s).

"year" means calendar year commencing on 1st January.

End of standard rules

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Quattro (UK) Limited

Aggregate Processing Area
Gerrards Cross Landfill Site
Oxford Road
Gerrards Cross
Buckinghamshire
SL9 8TE

Variation application number

EPR/DB3437RJ/V002

Permit number

EPR/DB3437RJ

Aggregate Processing Area

Permit number EPR/DB3437RJ

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

The variation is to increase tonnages resulting in a new standard rules permit becoming a bespoke permit for the operation of a treatment of waste soil, soil substitutes and aggregate facility at Gerrards Cross Landfill Site.

The schedules specify the changes made to the original 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
Permit issued to Quattro UK Ltd	08/11/2011	SR2010No12 Treatment of waste soil, soil substitutes and aggregate
Application EPR/DB3437RJ/V002	Duly made 14/02/2013	Application to vary permit to increase tonnages
Variation determined EPR/DB3437RJ	12/04/2013	Variation notice issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies:

Permit number
EPR/DB3437RJ

Issued to:
Quattro (UK) Limited ("the operator")

whose registered office is
Regency Street
Park Royal
London
NW10 8NR

company registration number 2744918

to operate a regulated facility at

Aggregate Processing Area
Gerrards Cross Landfill Site
Oxford Road
Gerrards Cross
Buckinghamshire
SL9 8TE

to the extent set out in the schedules.

The notice shall take effect from 12/04/2013.

Name	Date
Philip Lamb	12/04/2013

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

The following conditions are deleted as a result of the application made by the operator:

All conditions

Schedule 2 – conditions to be amended

None

Schedule 3 – conditions to be added

The following conditions as a result of the application made by the operator:

Conditions

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, closure 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 Avoidance, recovery and disposal of wastes produced by the activities

1.2.1 The operator shall:

- (a) maintain and implement an accident management plan;
- (b) review and record at least every 4 years or as soon as practicable after the accident, (whichever is the earlier) whether changes to the plan should be made;
- (c) make any appropriate changes to the plan 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 green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) 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.
- (b) 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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.
- 2.3.2 Waste shall only be accepted if:
- (a) It is of a type and quantity listed in schedule 2 table S2.1; and
- (b) It conforms to the description in the documentation supplied by the producer and holder.

3 Emissions and monitoring

3.1 Emissions of substances not controlled by emissions limits

- 3.1.1 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.
- 3.1.2 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;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.1.3 All liquids in containers, whose emission to water and 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.

3.2 Odour

3.2.1 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.

3.2.2 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;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Noise and vibration

3.3.1 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.

3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Pests

3.4.1 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.

3.4.2 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 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) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

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 all 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 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.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) 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;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 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.

4.3.5 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 "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities	
Description of activities for waste operations	Limits of activities
R13: Storage of wastes pending the operations numbered R3 and R5.	Treatment of wastes listed in table 2.1 consisting only of sorting, separation, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate.
R3: Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	Secure storage of wastes listed in table 2.1 pending treatment.
R5: Recycling or reclamation of other inorganic materials.	No more than 400,000 tonnes of waste shall be treated per year.
	All permitted wastes shall be stored and treated on hard-standing or an impermeable surface with sealed drainage system.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Document	The following documents submitted in support of the application: Environmental Risk Assessment Dust Management Plan Site Closure Plan Accident/Pollution Incident Management Plan	14/02/2013

Schedule 2 - Waste types

Table S2-1: Permitted waste types and quantities	
Maximum quantity	400,000 tonnes per annum
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
17 03	Bituminous mixtures, asphalt and road base
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
17 05	Soil and stones
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05	Dredging spoil other than mentioned in 17 05 05
17 05 08	Crushed rock, sand, clay, road base and planings and track ballast (description from the WRAP protocol)
17 09	Mixed 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
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	Soil and stones

Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Schedule 4 - Reporting

There is no reporting under this schedule.

Schedule 5 - Notification

These pages outline 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	
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 submitted 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 Quattro (UK) Limited

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.

"AQMA" means an air quality management area within the meaning of the Environment Act 1995 which has been designated due to concerns about particulate matter in the form of PM10.

"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... *"building"* means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

"D" means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste.

"dangerous substances" means any substance that has been or will be classified as dangerous in Directive 67/548/EEC and its subsequent amendments.

"emissions to land" includes emissions to groundwater.

"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 or other localised or diffused sources, which are not controlled by an emission limit.

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"European Site" means candidate or Special Areas of Conservation and proposed or Special Protection Area in England and Wales, within the meaning of Council Directives 79/409/EEC on the conservation of wild birds and 92/43/EEC on the conservation of natural habitats and of wild flora and fauna and the Conservation (Natural Habitats &c) Regulations 1994. Internationally designated Ramsar sites are dealt with in the same way as European sites as a matter of government policy and will be considered as a European Site.

"fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission or background concentration limit.

"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.

"hardstanding" is a compacted solid surface capable of withstanding the operation and the loading/unloading of waste.

"IBA" means incineration bottom ash derived from the incineration or pyrolysis of waste.

"impermeable surface" means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface, and should be read in conjunction with the term "sealed drainage system" (below)

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"pollution" means emissions as a result of human activity which may –

(a) be harmful to human health or the quality of the environment

- (b) cause offence to human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"R" means a recovery operation provided for in Annex 11B to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"sealed drainage system" in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- (a) no liquid will run off the surface otherwise than via the system
- (b) except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump.

"secure storage" means storage where waste cannot escape and members of the public do not have access to it.

"site" means the location where waste storage and treatment activities can take place.

"specified waste" means the following waste codes in Table 3.2:

"SSSI" means Site of Special Scientific Interest within the meaning of the Wildlife and Countryside Act 1981 (as amended by the Countryside and Rights of Way Act 2000).

"waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

"year" means calendar year commencing on 1st January.

Schedule 7 - Site Plan

Site boundary highlighted in green



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END OF PERMIT

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Brett Aggregates Limited

Hithermoor Recycling and Recovery Facility
Hithermoor Quarry
Stanwell
Surrey
TW19 6AX

Variation application number
EPR/AB3006CE/V002

Permit number
EPR/AB3006CE

Hithermoor Recycling & Recovery Facility

Permit number EPR/AB3006CE

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (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. This consolidated variation also incorporates the changes required by the Industrial Emissions Directive (IED). This includes the amendment of the wording of several permit conditions; and the addition of a condition relating to a requirement for routine monitoring, and an associated reporting condition.

Only the variations specified in schedule 1 are subject to a right of appeal.

This variation authorises the addition of a Soil Treatment Facility comprising the following activities; bioremediation of non-hazardous and hazardous soils; blending of and storage of hazardous waste.

Chemical stabilisation has been permitted for isolated occasions where a treated soil evidences a contaminant that lies above an acceptance threshold concentration for the pre-determined disposal site and needs further processing prior to removal off site. This activity forms a listed activity due to the capacity available to carry out this treatment.

The above activities are regulated as a number of listed activities and are described in full in table S1.1.

Additional waste types have been added to the list of acceptable wastes for the existing asphalt plant activity, which adds a further listed activity involving physico-chemical treatment for disposal or recovery of hazardous waste.

This consolidation also incorporates a separate variation application (dated 28/04/14) which was received during the determination of V002; adding one waste code to waste tables S2.2 and S2.3, and amending the criteria for two other waste types to allow acceptance of non-hazardous elements of mixtures of waste from mechanical treatment; (19 12 12), and surplus mortar under 10 13 11.

Neither the site boundary nor annual throughput have changed as a result of this variation.

Permit background:

The existing permit allows the operator to operate a waste treatment facility for the purpose of recovery. The recycling and recovery activities comprise:

- The storage and treatment of waste to manufacture aggregates, foamed bitumen road base, soils and soil substitutes

- The deposit of waste on land for the purpose of recovery.

The aggregate facility treats no more than 250,000 tonnes of waste per year. Treatment consists of sorting, separation, washing, screening, crushing and blending of waste.

The deposit of waste on land is a recovery operation for the construction of a 6 metre high visual amenity bund screening the activities in the aggregate facility from users of the adjacent bridleway and M25 motorway.

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/AB3006CE/A001	Duly made 04/04/13	Application for aggregate facility and visual amenity bund
Additional information received	11/06/13	Confirmation of conversion rate of waste from m ³ to tonnes.
Permit determined	01/07/13	Permit issued to Brett Aggregates Limited
Application EPR/AB3006CE/V002 (variation and consolidation)	Duly made 07/03/14	Application to vary the permit to add a soil treatment facility and additional waste types. Incorporates subsequent variation application (dated 28/04/14) to add 1 and amend 2 waste codes in table S2.1.
Additional information received: Schedule 5 response	19/05/14; 27/06/14; 02/07/14; 18/08/14; 18/09/14	
Variation determined EPR/AB3006CE/V002	08/10/14	Varied and consolidated permit issued.
(Billing ref KP3230ES)		

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

permit number
EPR/AB3006CE

issued to
Brett Aggregates Limited (“the operator”)

whose registered office is

150 Aldersgate Street
London
EC1A 4AB

company registration number 00316788

to operate regulated facilities at

Hithermoor Quarry

Stanwell

Surrey

TW19 6AX

to the extent set out in the schedules.

The notice shall take effect from 08 October 2014.

Name	Date
Anne Nightingale	08 October 2014

Authorised on behalf of the Environment Agency

Schedule 1

Only the following conditions have been varied as a result of the application made by the operator, including the requirements of the IED:

Conditions 1.3 & 1.4 are added;

Conditions 2.3.3, 2.3.4, 2.3.5 & 2.3.6 have been added;

Conditions 2.4.1, 2.4.2 are added;

Conditions 3.4.1, 3.4.2 & 3.4.4 are added;

Condition 3.4.3 is added as a result of the IED;

Conditions 3.5.1, 3.5.2, 3.5.3 & 3.5.4 are added;

Conditions 4.3.1 & 4.3.2 are amended as a result of the IED;

Table S1.1 as referred to in condition 2.1.1 is amended;

Table S1.2 as referred to in condition 2.3.1 is amended;

Table S1.3 as referred to in condition 2.4 is added;

Table S1.4 as referred to in condition 2.5 is added;

Tables S2.1, S2.2, S2.3, S2.4 as referred to in conditions 2.3.2 & 2.3.3 are added;

Tables S3.1, S3.2, S3.3 as referred to in condition 3.4.1 are added;

Tables S4.1, S4.2, S4.3, S4.4 as referred to in conditions 4.2.3 & 4.2.4 are added.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.