

Notice of transfer of whole permit with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Berwick-upon-Tweed Mercury
Recovery

Future Industrial Services Limited
East Ord Industrial Estate
Berwick-upon-Tweed
Northumberland
TD15 2XF

Transfer notice number
EPR/KP3437TF/T001

Permit number
EPR/KP3437TF

Berwick-upon-Tweed Mercury Recovery

Permit number EPR/KP3437TF

Introductory note

This introductory note does not form a part of the permit

The following notice is issued in accordance with regulation 21 and Part 1 of Schedule 5 of The Environmental Permitting (England and Wales) Regulations 2010 (S.I.2010 No. 675) (the Regulations) to transfer a permit issued under the Regulations to operate the regulated facility. Schedule 1 of the notice sets out the conditions to be deleted from the permit, Schedule 2 contains amendments to permit conditions and Schedule 3 contains additional permit conditions.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

| Status Log of the permit | | |
|--|------------------------|---------------------------|
| Detail | Date | Response Date |
| Application BM1997IQ | Received 12/12/01 | |
| Additional noise information | Received 30/01/02 | |
| Modified Site Report | Received 27/03/02 | |
| Site Report Summary | Received 07/05/02 | |
| Response to request for information | Request dated 04/03/02 | Response dated 03/05/02 |
| Request by Agency to extend determination to 31/06/02 | Request dated 10/05/02 | Request accepted 29/05/02 |
| Request by Agency to extend determination to 31/07/02 | Request dated 04/07/02 | Request accepted 08/07/02 |
| Additional Information (noise survey) | Received 29/07/02 | |
| Permit BM1997IQ | Determined 12/08/02 | |
| Variation BT2386IQ | Determined 04/09/02 | |
| Application EPR/KP3437TF/T001 (Full transfer of permit EPR/BM1997IQ) | Duly made 23/07/10 | |
| Additional Information Received | | 23/07/10 |
| Transfer determined EPR/KP3437TF | 28/07/10 | |

End of Introductory Note

Transfer of whole permit

Environmental Permitting (England and Wales) Regulations 2010

Transfer notice

Permit number

EPR/KP3437TF

Transfer notice number

EPR/KP3437TF/T001

Operator

Future Industrial Services Limited

Registered office address

Image Business Park

Acornfield Road

Kirkby

Liverpool

L33 7UF

Company registration number **3734986**

Regulated Facility

Berwick-upon-Tweed Mercury Recovery

Future Industrial Services Limited

East Ord Industrial Estate

Berwick-upon-Tweed

Northumberland

TD15 2XF

The Environment Agency in exercise of its powers under Regulation 21 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) accepts the transfer of this permit to the extent set out in schedules 1 to 4 of this notice.

This notice shall take effect from 28 July 2010

| Name | Date |
|-------------|--------------|
| PAUL BUTLER | 28 July 2010 |

Authorised on behalf of the Environment Agency

Transfer notice number
EPR/KP3437TF/T001

Page 1

Issued 28/7/2010

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as follows

Schedule 1, as referenced by condition 5.1.2, shall be replaced with the following:

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 3 – conditions to be added

None

Schedule 4 – amended plan

None

Conditions

1 The permitted installation

1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1

Table 1.1.1

| Activity under Schedule 1 of the Regulations/ Associated Activity | Description of specified activity | Schedule 1 Activity Reference (if applicable) | Limits of Specified activity |
|---|------------------------------------|---|---|
| Non ferrous metals | Recovery of mercury by use of heat | Section 2.2A (1) (f) | Receipt, handling and storage of raw materials. Recovery of mercury. Pre-treatment of aqueous waste. Handling storage and disposal of waste material and final product. |

- 1.1.2 The activities authorised under condition 1.1.1 shall not extend beyond the installation, being the area shown shaded in red (within the larger site edged in green) on the plan below.

2 Operational Matters

2.1 Management techniques and control

- 2.1.1 The Permitted installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or otherwise agreed by the Agency.

| Table 2.1.1: Management and control | | |
|-------------------------------------|--|---------------|
| Description | Parts | Date Received |
| Application | The response to question 2.1 given in section 1, appendix 2.1 of the application | 12/12/01 |

- 2.1.2 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition.
- 2.1.3 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.1.4 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of this Permit.
- 2.1.5 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties and shall be provided with appropriate training and written operating instructions to enable them to carry out their duties.

2.2 Raw materials (including water)

- 2.2.1 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed by the Agency

| Table 2.2.1 : Raw materials (including water) | | |
|---|--|---------------|
| Description | Parts | Date Received |
| Application | The response to question 2.2 given in section 2, appendix 2.2 of the application | 12/12/2001 |
| Response to Schedule 4 Part 1 Notice | Response to questions 2 and 3 | 03/05/2002 |

2.3 Operating Techniques

- 2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

| Table 2.3.1: Operating Techniques | | |
|-----------------------------------|--|---------------|
| Description | Parts | Date Received |
| Application | The response to question 2.3 given in section 3, appendix 2.3 of the application | 12/12/2001 |

2.4 Groundwater protection

- 2.4.1 The Permitted Installation shall, subject to the conditions of this Permit, be controlled as described in documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

| Table 2.4.1: Groundwater protection | | |
|--------------------------------------|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.4 given in section 4, appendix 2.4 and appendix 1.3, attachment A and appendix 2.8 of the application | 12/12/2001 |
| Response to Schedule 4 Part 1 Notice | Response to question 4 | 03/05/2002 |

2.5 Waste handling and storage

- 2.5.1 The Operator shall, subject to the conditions of this Permit, be controlled as described in documentation specified in Table 2.5.1, or as otherwise agreed in writing by the Agency.

| Table 2.5.1: Waste handling and storage | | |
|---|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.5 given in section 5, appendix 2.5 of the application | 12/12/2001 |
| Response to Schedule 4 Part 1 Notice | Response to questions 2,3 and 4 | 03/05/2002 |

- 2.5.2 Waste material specified in Table 2.5.2 shall only be stored on the site in the location and manner specified in that Table.

| Table 2.5.2: Waste stored on site | | | |
|------------------------------------|-----------------------------|---------------------------------|--|
| Description of Waste | Location of Storage on Site | Manner of Storage | Storage Conditions |
| Untreated waste for recovery | L1* | Sealed Drums | Drums to be clearly marked, held on concrete hard standing |
| Ash cooling area | L2* | Open trays in uncovered storage | |
| Residual ash for off site disposal | L3* | Sealed Drums | Drums to be clearly marked, held on concrete hard standing |

*as indicated on Attachment C of additional information dated 3 May 2002.

2.6 Waste recovery and disposal

- 2.6.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in documentation specified in Table 2.6.1, or as otherwise agreed in writing by the Agency.

| Table 2.6.1: Waste recovery and disposal | | |
|--|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.6 given in section 6, appendix 2.6 of the application | 12/12/2001 |

2.7 Energy Efficiency

- 2.7.1 The Operator shall, subject to the conditions of this Permit, use energy as described in documentation specified in Table 2.7.1, or as otherwise agreed in writing by the Agency.

| Table 2.7.1: Energy Efficiency | | |
|--------------------------------------|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.7 given in section 7, appendix 2.7 of the application | 12/12/2001 |
| Response to Schedule 4 Part 1 Notice | Response to questions 5 and 6 | 03/05/2002 |

- 2.7.2 The Operator shall produce a report annually on the energy consumption of the installation. This report shall be sent to the Agency.
- 2.7.3 The Operator shall have an energy efficiency plan, which shall be updated annually.

2.8 Accident prevention and control

- 2.8.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in documentation specified in Table 2.8.1, or as otherwise agreed in writing by the Agency.

| Table 2.8.1: Accident prevention and control | | |
|--|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.8 given in section 8, appendix 2.8 of the application | 12/12/2001 |

2.9 Noise and vibration

- 2.9.1 The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

| Table 2.9.1: Noise and vibration | | |
|--------------------------------------|---|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.9 given in section 9, appendix 2.9 of the application | 12/12/2001 |
| Additional Information | | 30/01/2002 |
| Response to Schedule 4 Part 1 Notice | Response to question 8 (Noise Survey) | 29/07/2002 |

2.10 Monitoring

- 2.10.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in documentation specified in Table 2.10.1, or as otherwise agreed in writing by the Agency.

| Table 2.10.1: Monitoring | | |
|--------------------------|--|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.10 given in section 10, appendix 2.10 of the application | 12/12/2001 |

- 2.10.2 Where requested in writing by the Agency, the Operator shall provide at least 14 days advance notice of undertaking monitoring/spot sampling.

- 2.10.3.1 There shall be provided:
- a safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
 - b safe means of access to other sampling/monitoring points when agreed by the Agency.

2.11 **Decommissioning**

- 2.11.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

| Table 2.11.1: Decommissioning | | |
|-------------------------------|--|---------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.11 given in section 11, appendix 2.11 of the application | 12/12/2001 |

2.12 **Multi-operator installations**

This is not a multi-operator installation.

Records

- 3.1.1 A record (a "Specified Record") shall be made of:-
a any malfunction, breakdown or failure of plant, equipment or techniques (including down time and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted installation. These records shall be kept in a log maintained for that purpose;
b all monitoring or sampling taken or carried out in accordance with the conditions of this permit and any assessment or evaluation made on the basis of such data;
c all monitoring, sampling and analysis results carried out on personnel working at the installation.
- 3.1.2 There shall be made available for inspection by the Agency at any reasonable time;
a Specified Records;
b any other records made by the Operator in relation to the operation of the Permitted Installation ("Other Records").
- 3.1.3 A copy of any Specified or Other Records shall be supplied to the Agency on demand and without charge.
- 3.1.4 Specified Records and Other Records shall:-
a be legible;
b be made as soon as reasonably practicable; and
c indicate any amendments which have been made and shall include the original record wherever possible.
- 3.1.5 Specified Records and Other Records shall be retained for a minimum 4 years from the date when the records were made.
- 3.1.6 For all waste received at or produced from the Permitted Installation, the Operator shall record (and shall retain such records for a minimum of 4 years)
a its composition, or as appropriate, description;
b the best estimate of the quantity produced;
c its disposal routes; and
d the best estimate of the quantity sent for recovery.
- 3.1.7 A record shall be made at the Permitted installation, of any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.

Reporting

- 4.1.1 All reports and notifications required by this permit, or by Regulation 16 of the PPC Regulations, shall be sent to the Environment Agency at the address notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall report the parameters listed in Table S2 to Schedule 2 as follows;
- a** in respect of the emission points specified;
 - b** for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in those Tables; and
 - c** giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - d** sending the report to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall, within 36 months of the issue of this Permit, submit a report on the potential improvements to the Permitted Installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but not be limited to, those techniques listed in guidance. The methodology used should be based on those given in Agency guidance note IPPC H1 (Environmental Assessment and Appraisal of BAT) and any other appropriate guidance and should justify, against the Best Available Techniques criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.
- 4.1.4 Where the Operator has a formal environmental management system applied to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.5 Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.

5 Notifications

- 5.1.1 The Operator shall notify the Agency **without delay** of:-
a the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
b the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
c the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
d any accident which has caused or may have the potential to cause pollution.
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1 of this Permit by sending:-
a the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
b the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;
- and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give written notification as soon as practicable, of any of the following:
a permanent cessation of the operation of any part or all of the Permitted Installation
b cessation of the operation of any part of or all of the Permitted Installation , for a period likely to exceed 1 year; and
c resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3 (b).
- 5.1.4 The Operator shall notify the following matters to the Agency, in writing, within 14 days of their occurrence:
i any change in the Operator's trading name, registered name or registered office address;
ii a change to any particulars of the Operators ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
iii any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.

6 Emissions

6.1 Emissions into air

6.1.1 Emissions to air from emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

| Table 6.1.1: Emission Points to air | | |
|--------------------------------------|---|---|
| Emission point reference/description | Source | Location of emission point |
| A1 | Process exhaust (furnace and recovery unit) | Point A1 on attachment C of reply to Schedule 4 notice dated 03/05/02 |
| A2 | Furnace tray cooling area *BT2386 | Point A2 on attachment C of reply to Schedule 4 notice dated 03/05/02 |
| A3 | Blender extract fan exhaust | Point A3 on attachment C of reply to Schedule 4 notice dated 03/05/02 |

6.1.2 The limits for emissions into air for the parameter(s) and emission point(s) set out in Table 6.1.3 shall not be exceeded.

6.1.3 The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.

| Table 6.1.3: Emission limits into air | | | |
|---------------------------------------|-------------------|-----------------|-----------|
| Parameters | Emission Point A1 | A2 | A3 |
| Mercury µg/m ³ | 40 ¹ | 35 ¹ | 40 |
| Frequency of monitoring | Hourly | Hourly | Quarterly |
| Mercury µg/m ³ | 50 ² | 40 ² | - |
| Frequency of monitoring | Hourly | Hourly | - |

1 – as an average of hourly measurements made each day
2 – maximum measurement measured in any period of 24 hours

6.1.4 Where an annual mass limit for a substance is stated in Table 6.1.4, the aggregate emission of such substance from the Permitted Installation into air from the emission points specified in Table 6.1.1 shall not exceed that limit in any year.

*BT2386

| Table 6.1.4 Annual mass limits | |
|--------------------------------|------------|
| Substance | Limit - kg |
| Mercury | 0.1 |

6.1 Emissions to land

6.2.1 There shall be no emission to land from the Permitted installation.

6.2.2 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit and as modified by information supplied in response to a Schedule 4 notice and any additional information supplied in writing.

6.3 Emissions to water (other than emissions to sewer)

- 6.3.1 No emissions from the Permitted Installation shall be made into water except to the Operator's on site effluent treatment plant as specified in this Permit.

6.4 Emissions to sewer

6.4.1 No emission shall be made into any sewer from the Permitted Installation

6.5 Emissions to heat

- 6.5.1 There are no specified conditions in relation to emission of noise and vibration from the Permitted Installation.

6.6 Emissions of noise and vibration

- 6.6.1 There are no specific conditions in relation to emissions of noise and vibration from the Permitted Installation.

Transfer to effluent treatment plant

7.1.1 Transfers to effluent treatment plant shall occur only from the point specified in Table 7.1.1 and transfers from those points shall arise only from the source(s) and shall be released only to the treatment plant(s) specified in that Table.

| Table 7.1.1 Transfer point(s) to effluent treatment plant(s) | | |
|--|--|--------------------------|
| Transfer point description/identifier | Source | Effluent treatment plant |
| E1 | Mercury recovery waste water pre-treatment | Site treatment plant |

7.1.2 The limits for transfers to effluent treatment plant for the parameter(s) and transfer point(s) set out in Table 7.1.2 shall not be exceeded.

| Table 7.1.2 Limits for transfers to effluent treatment plant(s) | |
|---|-------------------|
| Parameter | Transfer Point E1 |
| Mercury mg/l ⁻¹ | 0.005 |
| Mercury g/year | 0.5 |

7.13 There shall be no transfer to effluent treatment plant of any substance proscribed for water for which no limit is specified in Table 7.1.2 except in a concentration, which is no greater than the background concentration.

8 Off site conditions

8.1.1 There are no off site conditions.

Improvement programme

- 9.1.1 The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the data of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

| Table 9.1.1 Improvement programme requirements | | |
|--|---|------------|
| Reference | Requirement | Date |
| 9.1 | The Operator shall review the methods available for compliance monitoring against the emission limit values in Table 6.1.3. The Operator shall report to the Environment Agency on the proposed method to be adopted. The starting point for the review should be the British and European Standard (currently BS EN 13211:2001). Proposals deviating from this standard should be fully justified and should describe how the proposed method can be reference to and validated against this above standard. | 01/04/2003 |
| 9.2 | The Operator shall carry out an appropriate survey, to be agreed with the Environment Agency, to assess the impact of operations at the installation. The survey should be repeated periodically, probably every 3 years. | 01/06/2003 |
| 9.3 | The Operator shall prepare a more detailed site closure plan having regard to current Environment Agency guidance. | 01/07/2003 |

* Survey frequency - See Enter First Phase Report Sept 2006
Table H1.1 - New Survey only necessary
in an Emergency.

See memo of phone call EA to RI 17.07.06
(in EA Reports File).

Interpretation

10.1.1 In this Permit, the following expressions shall have the following meanings:

“Authorised Officer”

means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, powers specified in Section 108(4) of that Act.

“Background concentration”

means the same as “background quantity” as defined in paragraph 11 to Part 2 Schedule 1 of the PPC Regulations.

“Fugitive emission”

means an emission from any point other than those specified in Tables in part 6 of this Permit.

“Laeq”

means the A-weighted equivalent continuous equal energy level (dBA).

“Monitoring”

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

“Permitted Installation”

means the activities and limits to those activities described in Table 1.1.1 of this Permit.

“PPC Regulations”

means the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) and words and expressions defined in the PPC Regulations shall have the same meaning when used in this Permit.

“Staff”

includes employees, directors or other officers of the Operator, and any other person under the Operators direct or indirect control, including contractors.

“Substances proscribed for water”

means those substances mentioned in paragraph 13 of Part 2 of Schedule 1 to the PPC Regulations.

“Year”

year means the calendar year ending 31 December.

10.1.2 Where a minimum level is set for any emission parameter, references to exceeding the limit shall mean that the parameter shall not be less than that limit.

10.1.3 Unless otherwise stated, any reference in this Permit to concentrations of substances in emissions to air means:

a in relation to gases from combustion processes, the concentrations in dry air at a temperature of 273 K, at 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

b in relation to gases 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.

11 **Written agreement to changes**

11.1.1 When the qualification “or as otherwise agreed in writing” is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:

a the Operator shall give the Agency written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and

b such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.

11.1.2 Any change proposed according to condition 11.1.1 and agreed in writing by the Agency, shall not be implemented until the Operator has given the Agency prior written notice of the implementation date for the change. As from that date the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.

Schedule 1

Confirmation of conditions 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Agency to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must 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 any non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Returns should contain:

Part A

- ☐ Name of Operator.
- ☐ Permit Number.
- ☐ Location of Installation.
- ☐ Date information provided.
- ☐ Time, date and location of the emission.
- ☐ Identity and details of the substance(s) emitted to include:-
 - ☐ Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
 - ☐ Environmental medium into which the emission took place.
 - ☐ Measures taken, or intended to be taken, to stop the emission.

Part B

- ☐ Date and time of emission.
- ☐ Any more accurate information on the matters notified 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 or harm which has been or may be caused by the emission.
- ☐ The dates of any Part A notifications within the previous 12 months.

- ☐ Name
- ☐ Signature
- ☐ Statement that signatory is authorised to sign on behalf of Alchemia Ltd.
- ☐ Post.....
- ☐ Date

Schedule 2

Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

| Table S2: Reporting of monitoring data | | | |
|--|----------------|------------------|---------------|
| Parameter | Emission point | Reporting period | Period begins |
| Mercury mg m ⁻³ | A1 , A2 , A3 . | Every 3 months | 01/08/2000 |
| Mercury mg l ⁻¹ | E1 | Every 3 months | 01/08/2000 |

Schedule 3

Forms to be used

Unless otherwise agreed in writing between the Agency and the Operator, the following Agency forms are to be used for reports submitted to the Agency.

| Table S3: Reporting Forms | | |
|---------------------------|-------------|--------------|
| Media/Parameter | Form Number | Date of Form |
| Air | S3/A1 | 13/08/2002 |
| Water | S3/W1 | 13/08/2002 |

END OF PERMIT

SCHEDULE 3
MONITORING DATA REPORT FORM
RELEASES INTO AIR

Release Summary for 3 months from .../.../... to .../.../...

Operator: Alchemia Ltd
Address: East Ord Industrial Estate, Berwick-Upon-Tweed. TD15 2XF
Permit No: BM1997

Parameter: Mercury mg m⁻³

| Form S3/A1 – 13/08/02 | | | | |
|-----------------------|----------------|----|----|----------|
| Date | Release Points | | | |
| | A1 | A2 | A3 | Boundary |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Signed :
(on behalf of Operator)

Dated :

SCHEDULE 3

MONITORING DATA REPORT FORM

RELEASES INTO WATER

Release Summary for 3 months from .../.../... to .../.../...

Operator: Alchemia Ltd

Address: East Ord Industrial Estate, Berwick-Upon-Tweed. TD15 2XF

Permit No: BM1997

Release Point: E1

| Form S3/W1 – 13/08/02 | | |
|-----------------------|----------------------------|-----------------------|
| Date | Mercury mg l ⁻¹ | Volume m ³ |
| | | |
| | | |

Signed :
(on behalf of Operator)

Dated :