

# Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

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Vantage Way Site

Precision Micro Limited  
Vantage Way  
Erdington  
Birmingham  
B24 9GZ

Permit number  
FP3234PV

# Vantage Way Site Permit Number FP3234PV

## Introductory note

### ***This introductory note does not form a part of the permit***

The main features of the installation are as follows.

The installation is located on a 0.83 hectare site at the former Fort Dunlop site in Erdington, Birmingham and is operated by Precision Micro Limited. The area is heavily industrialised and is currently undergoing significant redevelopment. The area on which the installation is located has been remediated and declared fit for use as warehousing/distribution. The installation specialises in photomechanical machining and precision etching.

In preparation for etching metal sheets are surface cleaned with an alkali spray followed by nitric acid to produce an electrolytic passivation onto the surface. The metal surface is rinsed and coated with a light-sensitive proprietary material. An image is developed over the metal surface by exposure of the photosensitive coating to UV against a photographic template. This leads to a hardening of the coating over selected areas of the metal surface. The unexposed photo-coating is washed off with a solution of sodium carbonate and water leaving the clean surfaces ready for etching.

The unexposed areas of the prepared metal are precision etched using ferric chloride then washed to remove all traces of etchant material. After etching, the sheets/components are immersed in a stripping solution to remove the remaining photo-coating. The metal sheets are transferred over to the machine shop for pressing, folding, wire erosion and finishing.

The installation comprises of 12 etch machines and 2 stripping machines. The etch machines are a series of enclosed chambers made from PVC and Titanium. A bed of rollers in the centre of the machines carry the metal sheets from which components are cut. The metal sheets are laid flat on the rollers and are sprayed with heated etchant from above and below, which is re-circulated from a sump within the machine. The etch machines utilise town's water for rinsing post-etch sheets. Water from finishing departments is recycled via a de-ionising plant.

Ferric Chloride is used as the etching medium in the chemical machining process. As etching occurs the ferric chloride reduces to ferrous chloride, which is unable to etch. Chlorine gas is delivered at low pressure from a secure store into a regeneration system which reverses the reaction to reform ferric chloride. Hydrochloric acid is used to remove build up of deposits from inside the etching machines and to adjust free acid levels in the etchant solution.

Ferric/ferrous chloride waste is sent to dump tanks located in a bunded pit with other waste solution tanks ready for removal by tanker. The same pit hosts the effluent treatment plant with three holding tanks, two settlement tanks and a filter press.

The most significant issues from the installation are raw material and waste storage, emissions to atmosphere, and discharges to sewer. Several chemicals are stored in bunded tanks on a mezzanine floor located above the etching room. Waste solutions are stored in an underground pit in tanks prior to disposal. Chlorine, hydrogen chloride and particulates are released from the etching process and are discharged to atmosphere following abatement by a wet scrubber. Waste water from the scrubber is discharged to the effluent treatment plant for treatment with process water before discharge to sewer under consent.

The Operator has an Environmental Management System which is externally verified to BS EN ISO 14001.

There are no surface water features on the site but there are two within a 300metre radius of the installation boundary. There are no Sites of Special Scientific Interest (SSSI) located within 2km of the site. Seven SSSIs are located with 10km of the site but it is unlikely that the installation will have a significant impact on any of these sites.

| Status Log of the permit        |                        |               |
|---------------------------------|------------------------|---------------|
| Detail                          | Date                   | Response Date |
| Application FP3234PV            | Duly made 11/04/06     |               |
| Additional Information Received | Request dated 27/07/06 | 14/08/06      |
| Permit determined               | 03/11/06               |               |

End of Introductory Note

## **Permit**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

# Permit

Permit number

**FP3234PV**

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises

**Precision Micro Limited** ("the operator"),

whose registered office is

**PO Box 162  
30 Curzon Street  
Birmingham  
B4 7XD**

company registration number 01745834

to operate an installation at

**Vantage Way Site  
Precision Micro Limited  
Vantage Way  
Erdington  
Birmingham  
B24 9GZ**

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

| Signed                                                                              | Date     |
|-------------------------------------------------------------------------------------|----------|
|  | 03/11/06 |

Phil Reynolds

Regulatory Team Leader (PIR Permitting) – Strategic Permitting Group, Nottingham

Authorised to sign on behalf of the Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The activities shall be managed and operated:
- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
  - (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.
- 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.

### 1.2 Accidents that may cause pollution

- 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 an 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.

### 1.3 Energy efficiency

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every 4 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.

### 1.4 Efficient use of raw materials

- 1.4.1 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 4 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 appropriate further measures identified by a review.

## **1.5 Avoidance, recovery and disposal of wastes produced by the activities**

1.5.1. The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every 4 years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

## **1.6 Site security**

1.6.1. Site security measures shall prevent unauthorised access to the site, as far as practicable.

# **2. Operations**

## **2.1 Permitted activities**

2.1.1 The operator is 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 2 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 Agency.

2.3.2 No raw materials or fuels listed in schedule 3 table S3.1 shall be used unless they comply with the specifications set out in that table.

## **2.4 Off-site conditions**

There are no off-site conditions under this section.

## **2.5 Improvement programme**

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

## **2.6 Pre-operational conditions**

There are no pre-operational conditions in this permit.

## **2.7 Closure and decommissioning**

- 2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.
- 2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.
- 2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

## **2.8 Site protection and monitoring programme**

- 2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.
- 2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

# **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 4 tables S4.1, S4.2 and S4.3.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.

## **3.2 Transfers off-site**

- 3.2.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

### **3.3 Fugitive emissions of substances**

- 3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.3.2 All liquids, 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.

### **3.4 Odour**

- 3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour.

### **3.5 Noise and vibration**

- 3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

### **3.6 Monitoring**

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake monitoring for the parameters, at the locations and at not less than the frequencies specified in the following tables in schedule 4 to this permit:
  - (a) point source emissions specified in tables S4.1 and S4.2;
- 3.6.2 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.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 4 tables S4.1, S4.2 and S4.3 unless otherwise specified in that schedule.

## **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 Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) the site protection and monitoring programme.

4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records required to be held by this permit shall be held on the site and shall be available for inspection by the Agency at any reasonable time.

### **4.2 Reporting**

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the 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 this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production /treatment data set out in schedule 5 table S5.2;
- (d) the performance parameters set out in schedule 5 table S5.3 using the forms specified in table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 table S5.1;
- (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

- 4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month of the review or change.

## **4.3 Notifications**

- 4.3.1 The Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit;
  - (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 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
- (a) as soon as practicable prior to the permanent cessation of any of the activities;
  - (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
  - (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.
- 4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.5 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- (a) any change in the operator's trading name, registered name or registered office address;
  - (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and
  - (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

## **4.4 Interpretation**

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

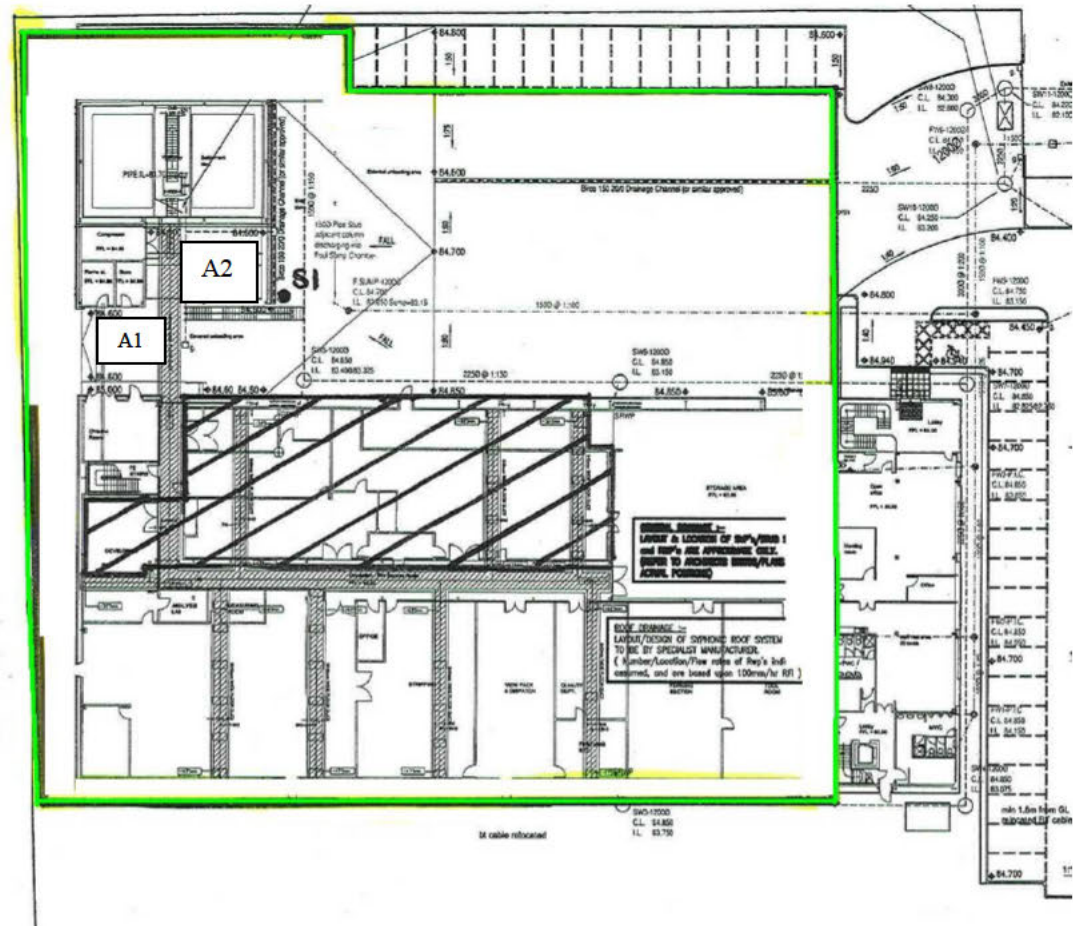
# Schedule 1 - Operations

| Table S1.1 activities                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                   |                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Activity listed in Schedule 1 of the PPC Regulations                                                                                                                                                                                                                                                                                      | Description of specified activity                                                                                                                 | Limits of specified activity                                                                                                           |
| Section 4.2 A (1) (b) – "Unless falling within another Section of this Schedule, any manufacturing activity which uses, or which is likely to result in the release into the air or into water of, any halogens, hydrogen halides or any of the compounds mentioned in paragraph (a)(vi), other than the treatment of water by chlorine". | Chemical machining and etching of metal components                                                                                                | Preparation of components; etching; regeneration of etching solution; removal of etching chemicals (stripping); forming and finishing. |
| <b>Directly Associated Activity</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                   |                                                                                                                                        |
| Raw Material storage and handling                                                                                                                                                                                                                                                                                                         | Storage of liquid and solid raw materials in tanks and containers                                                                                 | From receipt of raw materials associated with the etching process and ancillary activities to transfer to process use                  |
| Storage and handling of waste materials                                                                                                                                                                                                                                                                                                   | Storage and handling of waste materials arising from processing activities according to category, including preparation for disposal or recovery. | Generation of waste materials from etching and ancillary processes to storage for dispatch or recovery.                                |
| Operation of site abatement systems                                                                                                                                                                                                                                                                                                       | Operation of effluent treatment plant to control releases to sewer; operation of wet scrubber to control releases to atmosphere                   | Receipt and treatment of process releases to final discharge from the installation.                                                    |

| Table S1.2 Operating techniques                  |                                                                                                                   |               |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------|
| Description                                      | Parts                                                                                                             | Date Received |
| Application                                      | The response to section B2.1 and B2.2 in the Application.                                                         | 11/04/2006    |
| Request for further information dated 27/06/2006 | Response to questions 1 - 15 detailing additional information regarding process control and operating parameters. | 14/08/2006    |

| Table S1.3 Improvement programme requirements |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Reference                                     | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date                                       |
| IC1                                           | The operator shall confirm the date of completion of commissioning to the Environment Agency in writing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Within 7 days of completing commissioning  |
| IC2                                           | <p>The Operator shall provide a final report to the Environment Agency on the commissioning of the plant, with specific attention to releases to all media, including noise levels. The report shall include, but not be restricted to,</p> <ul style="list-style-type: none"> <li>- a statement of the emission and noise levels finally achieved</li> <li>- justification that BAT has been achieved as regards minimisation of emissions and noise levels or a list of any work outstanding to achieve BAT as regards minimisation of emissions and noise levels.</li> <li>- A programme for completing any such works</li> </ul> | Within 1 month of completing commissioning |
| IC3                                           | The Operator shall develop a written Site Closure Plan with regard to the requirements set out in Environment Agency Inorganic Chemicals Sector Guidance IPPC S4.03. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.                                                                                                                                                                                                                                                                                                                                                              | 30/04/07                                   |
| IC4                                           | The Operator shall carry out a feasibility study investigating the use of counter flow rinsing on all etch machines at the installation. A copy of the report, including a timetable for implementing the improvements identified, shall be submitted to the Environment Agency in writing.                                                                                                                                                                                                                                                                                                                                          | 30/04/07                                   |
| IC5                                           | The Operator shall review the Accident Management Plan for the installation to include risk of flooding. A summary of the review, including details of any preventative and mitigation measures and allocation of responsibility, should be submitted to the Agency in writing.                                                                                                                                                                                                                                                                                                                                                      | 28/02/07                                   |
| IC6                                           | The Operator shall confirm the completion of fitting water/sub-metering to the installation, as stated in Operators letter dated 08/09/06.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31/12/06                                   |

## Schedule 2 - Site plan



## Schedule 3 - Waste types, raw materials and fuels

**Table S3.1 Raw materials and fuels**

| Raw materials and fuel description | Specification |
|------------------------------------|---------------|
| -                                  | -             |

## Schedule 4 – Emissions and monitoring

**Table S4.1 Point source emissions to air – emission limits and monitoring requirements**

| Emission point ref. & location           | Parameter          | Source                                              | Limit (including unit) | Reference period                         | Monitoring frequency | Monitoring standard or method |
|------------------------------------------|--------------------|-----------------------------------------------------|------------------------|------------------------------------------|----------------------|-------------------------------|
| A1 [Point A1 on site plan in Schedule 2] | Particulate matter | Main process stack                                  | 20 mg/m <sup>3</sup>   | Extractive – 3 minutes per point minimum | Annually             | BS EN 13284-1: 2002           |
| A1 [Point A1 on site plan in Schedule 2] | Chlorine           | Main process stack                                  | -                      | -                                        | -                    | -                             |
| A1 [Point A1 on site plan in Schedule 2] | Hydrogen Chloride  | Main process stack                                  | 10 mg/m <sup>3</sup>   | 30 minute minimum                        | Annually             | BS EN 1911:Parts 1 – 3:1998   |
| A2 [Point A2 on site plan in Schedule 2] | Chlorine           | Chlorine Scrubber (Emergency dry chemical scrubber) | -                      | -                                        | -                    | -                             |

**Table S4.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

| Emission point ref. & location                                                      | Parameter | Source                        | Limit (incl. Unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|-------------------------------------------------------------------------------------|-----------|-------------------------------|--------------------|------------------|----------------------|-------------------------------|
| S1 on site plan in schedule 2 emission to Severn Trent Water Sewage Treatment Works | -         | Site effluent treatment plant | -                  | -                | -                    | -                             |

## Schedule 5 - Reporting

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

**Table S5.1 Reporting of monitoring data**

| Parameter                                                      | Emission or monitoring point/reference | Reporting period | Period begins |
|----------------------------------------------------------------|----------------------------------------|------------------|---------------|
| Emissions to air<br>Parameters as required by condition 3.6.1. | A1                                     | Every 12 months  | 01/01/2007    |

**Table S5.2: Annual production/treatment**

| Parameter             | Units  |
|-----------------------|--------|
| Production of product | tonnes |

**Table S5.3 Performance parameters**

| Parameter                                | Frequency of assessment | Units  |
|------------------------------------------|-------------------------|--------|
| Water usage                              | Annually                | tonnes |
| Energy usage                             | Annually                | MWs    |
| Total raw material used                  | Annually                | tonnes |
| Total mass release of particulate matter | Annually                | tonnes |
| Total mass release of Chlorine           | Annually                | tonnes |
| Total mass release of Hydrogen Chloride  | Annually                | tonnes |

**Table S5.4 Reporting forms**

| Media/parameter              | Reporting format                                                                       | Date of form |
|------------------------------|----------------------------------------------------------------------------------------|--------------|
| Air                          | Form air 1 or other form as agreed in writing by the Agency                            | 01/09/2006   |
| Water usage                  | Form water usage1 or other form as agreed in writing by the Agency                     | 01/09/2006   |
| Energy usage                 | Form energy 1 or other form as agreed in writing by the Agency                         | 01/09/2006   |
| Waste Return Form            | RATS2 E-Waste Return Form Version 2.1 or other form as agreed in writing by the Agency | 10/11/2005   |
| Other performance indicators | Form performance 1 or other form as agreed in writing by the Agency                    | 01/09/2006   |

## Schedule 6 - 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 PPC Regulations.

### Part A

|                                |                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------|
| Permit Number                  | FP3232PV                                                                                  |
| Name of operator               | Precision Micro Limited                                                                   |
| Location of Installation       | Vantage Way Site, Precision Micro Limited, Vantage Way,<br>Erdington, Birmingham, B24 9GZ |
| Time and date of the detection |                                                                                           |

#### **(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission 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 installation in the preceding 24 months.                                                              |  |

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* authorised to sign on behalf of Precision Micro Limited

## Schedule 7 - 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 4 to the PPC Regulations.

"*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, any power specified in section 108(4) of that Act.

"*emissions to land*", includes emissions to groundwater.

"*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.

"*land protection guidance*", means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

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

"*notify without delay*" and "*notified without delay*" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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"*site protection and monitoring programme*" means a document which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

"*year*" means calendar year ending 31 December.

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:

- (a) 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
- (b) 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

END OF PERMIT