

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Precision Micro Limited

Vantage Way Site
Vantage Way
Erdington
Birmingham
B24 9GZ

Variation application number
EPR/FP3234PV/V002

Permit number
EPR/FP3234PV

Vantage Way Site

Permit number EPR/FP3234PV

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.

Existing coating and surface cleaning operations are anticipated to exceed the respective solvent consumption thresholds given in the Solvent Emissions Directive. These operations will therefore become activities listed under the Environmental Permitting Regulations, under Section 7 B of Schedule 1; they will also become subject to the Solvent Emissions Directive.

This variation notice introduces permissions for, and controls over, the coating and surface cleaning operations.

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
Application received FP3234PV	Duly made 11/04/06	
Additional information received	14/08/06	
Permit determined FP3234PV	03/11/06	Precision Micro Limited.
Application EPR/FP3234PV/V002	Duly made 25/06/12	Application to add processes subject to the Solvent Emissions Directive.
Additional information received	20/07/12	Amended site plan.
Variation determined EPR/FP3234PV/V002	20/08/12	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/FP3234PV

issued to:
Precision Micro Limited

whose registered office is

**11 Vantage Way
Erdington
Birmingham
B24 9GZ**

company registration number **01745834**

to operate a regulated facility at

**Vantage Way
Erdington
Birmingham
B24 9GZ**

to the extent set out in the schedules.

The notice shall take effect from 20/08/12.

Name

Date

M Bischer

20/08/12

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator.

Condition 2.1.1 is amended such that table S1.1 is amended to:

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.
Section 7 Part B (a) – “Other coating activities, including metal, plastic, textile (except rotary screen printing on textile), fabric, film and paper coating”.	Lamination, development and finishing operations.	From receipt of solvents to dispatch of finished products.
Section 7 Part B (a) – “Other surface cleaning”.	Preclean, stripping, finishing and inspection operations.	From receipt of solvents to dispatch of finished products.
Directly Associated Activity		
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.

Condition 2.3.1 is amended such that table S1.2 is amended to:

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
Variation application EPR/FP3234PV/V002	Documents reference C3.1.0 (excluding emission concentrations in Table 2); C3.2.1; C3.2.2; C3.2.4; C3.2.8; C3.2.10; and C3.2.11.	25/06/12

Condition 2.5.1 is amended such that table S1.3 is amended to:

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.	Completed
IC2	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, - a statement of the emission and noise levels finally achieved - 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. - A programme for completing any such works	Completed
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.	Completed
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.	Completed
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.	Completed
IC6	The Operator shall confirm the completion of fitting water/sub-metering to the installation, as stated in Operators letter dated 08/09/06.	Completed
IC7	The Operator shall submit to the Environment Agency a written plan for the replacement, within the shortest possible time, substances or preparations which, because of their content of VOCs classified as carcinogens, mutagens, or toxic to reproduction under Directive 67/548/EEC, are assigned or need to carry the risk phrases R45, R46, R49, R60, or R61. Following receipt of the Environment Agency's written approval of the plan, the Operator shall implement the plan.	The plan shall be submitted no later than 31/12/12.

Condition 3.1.1 is amended such that table S4.1 is amended to:

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)^{Notes 1, 2, 3}	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 ³	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 ³	30 minute minimum	Annually	BS EN 1911:Parts 1 – 3:1998
A1 [Point A1 on site plan in Schedule 2]	Volatile organic compounds	Main process stack	75 mgC/m ³	1 hour average	Annually. Minimum of three samples taken within 24 hours.	BS EN 13526
A2 [Point A2 on site plan in Schedule 2]	Chlorine	Chlorine Scrubber (Emergency dry chemical scrubber)	-	-	-	-
A3 [Point A3 on site plan in Schedule 2]	Volatile organic compounds	Aerospace Cell paint booth	100 mgC/m ³	1 hour average	Annually. Minimum of three samples taken within 24 hours.	BS EN 13526
A4 [Point A4 on site plan in Schedule 2]	Volatile organic compounds	Lamination Room	100 mgC/m ³	1 hour average	Annually. Minimum of three samples taken within 24 hours.	BS EN 13526
A5 [Point A5 on site plan in Schedule 2]	Volatile organic compounds	Finishing Department paint booth	100 mgC/m ³	1 hour average	Annually. Minimum of three samples taken within 24 hours.	BS EN 13526
Note 1: Emission limit values for volatile organic compounds shall be complied with if: (a) the average of all the readings in one monitoring exercise does not exceed the emission limit values, and; (b) none of the hourly averages exceeds the emission limit value by more than a factor of 1.5. Note 2: The emission limit values for volatile organic compounds released from points A3, A4 and A5 shall be 75 mgC/m³ if the annual solvent consumption in coating activities exceeds 15 t/yr. Note 3: mgC/m³ means milligrams of substance expressed as carbon per cubic meter.						

Condition 4.2.2 is amended such that table S5.1 is amended to:

Table S5.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1.	A1, A3, A4, A5.	Every 12 months.	01/01/2013.

Condition 4.2.1 is amended such that tables S5.3 and S5.4 are amended to:

Table S5.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
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
Total solvent consumed in coating activities	Annually	tonnes
Total solvent consumed in surface cleaning activities	Annually	tonnes
Fugitive emissions of solvent used in coating activities, as a percentage of solvent consumed in coating activities	Annually	tonnes
Fugitive emissions of solvent used in surface cleaning activities, as a percentage of solvent consumed in surface cleaning activities	Annually	tonnes

Table S5.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 2 or other form as agreed in writing by the Agency	11/07/2012
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
Other performance indicators	Form performance 2 or other form as agreed in writing by the Agency	11/07/2012

Condition 4.2.3 is amended to:

4.2.3 No condition applies.

Condition 4.4.1 is amended such that the following definition is added to Schedule 7:

“Solvent Emissions Directive” means Directive 1999/13/EC (as amended by Directive 2004/42/EC) on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.

Schedule 3 – conditions to be added

The following conditions are added as a result of the application made by the operator.

3.1.3 Total annual emissions from the installation of a substance listed in schedule 4 table S4.3 shall not exceed the relevant limit in table S4.3.

Table S4.3 Annual limits

Substance	Medium	Limit (including unit)
Volatile organic compounds used in surface cleaning activities.	Fugitive emissions to air, water and land.	20% of annual solvent input ^{Notes 1, 2} .
Volatile organic compounds used in coating activities.	Fugitive emissions to air, water and land.	20% of annual solvent input ^{Note 2} .

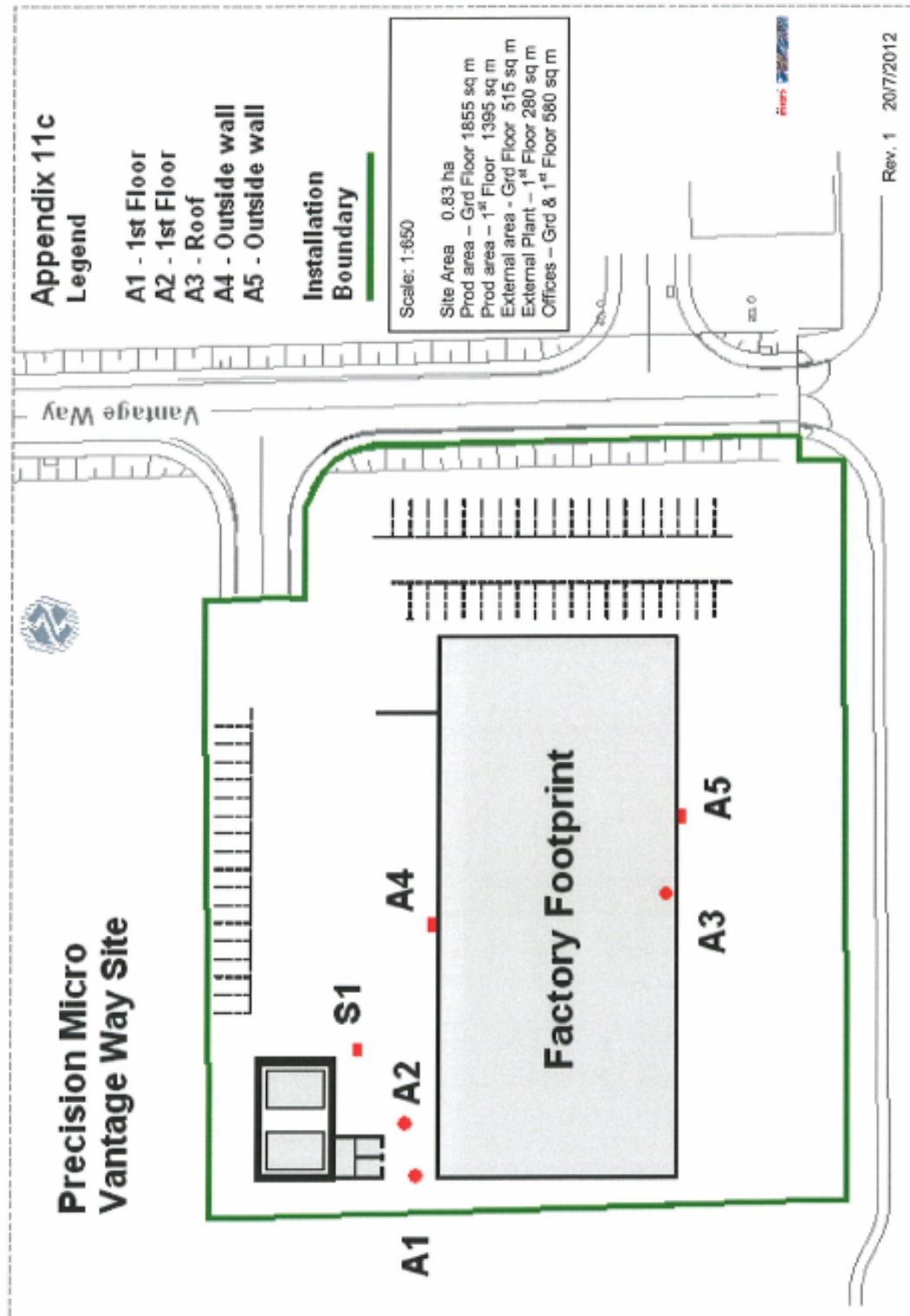
Note 1: The limit for surface cleaning activities shall be 15% if the annual solvent consumption in surface cleaning activities exceeds 10 tonnes.

Note 2: Fugitive emissions shall be calculated in accordance with the requirements of the Solvent Emissions Directive, as specified in Article 9(1) of the Directive, using the annual solvent management plan required by condition 4.2.7.

4.2.7 The operator shall submit an annual solvent management plan in order to demonstrate compliance with the requirements of the Solvent Emissions Directive, as specified in Article 9(1) of the Directive, by 31 January each year in respect of the previous year.

Schedule 4 – amended plan

Amended plan attached.



END OF VARIATION NOTICE