Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Hydro Aluminium Extrusion, Bedwas Plant

Hydro Aluminium Extrusion Limited
Pantglas Industrial Estate
Bedwas
Caerphilly
CF83 8DR

Variation notice number
EPR/BX9455IF/V002

Permit number

EPR/BX9455IF

Hydro Aluminium Extrusion, Bedwas Plant
Permit number EPR/BX9455IF

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 S.I.2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

The proposed changes in this Permit variation are to reduce the sampling frequency of the sewer discharge and to add an additional discharge to sewer. These variations will not significantly alter the operating techniques described in the Technical Description of the initial PPC application. The proposed changes are:

- Reduced monitoring for effluent discharge: The current Permit requires sampling every month for metals (including Aluminium) and reporting on a quarterly basis. This variation changes the sampling frequencies to six-monthly for metals (including Aluminium) and reporting on an annual basis
- Installation of in-line oil/water filter: This new oil / water separator must have an additional discharge point to sewer. The oil/water separator will be installed with pipe work to the sewer and the additional discharge point will be S2.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions that have been added and Schedule 4 shows any changes to the plan.

Status Log of the permit		
Detail	Date	Response Date
Application EPR/BX9455IF	Duly made 30/07/04	
Request for further information	Requested 20/09/04	22/12/04
Request for further information	Requested 15/10/04	31/10/04
Request for further information	Requested 20/12/04	20/01/05
Permit determined EPR/BX9455IF	06/05/05	
Variation Application EPR/BX9455IF/V002 (PAS reference TP3035TK)	Duly Made 24/03/10	
Variation Notice issued EPR/BX9455IF/V002	16/06/10	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2010

Permit number
EPR/BX9455IF

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) varies the permit as set out below.

Hydro Aluminium Extrusion Limited ("the operator"),

whose registered office is

Pantglas Industrial Estate

Bedwas

Caerphilly

CF83 8DR

company registration number **961843**

holds a permit to operate a regulated facility at
Hydro Aluminium Extrusion, Bedwas Plant
Pantglas Industrial Estate
Bedwas
Caerphilly
CF83 8DR

and that permit is varied to the extent set out in Schedules 1 to 4 of this notice.

The notice shall take effect from **16/06/10**

Name	Date
M A Bischer	16/06/10

M. Bischer, Principal Permitting Team Leader, National Permitting Service

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 follows:

Condition 1.4.1 is amended such that Table 1.4.1 is amended to:

Table 1.4.1: Improvement programme

Reference	Requirement	Date
IP1	The Operator shall provide the Agency with a written description of measures in place or proposed to ensure that the soakaway will receive only uncontaminated surface water and will not be contaminated by leakages or spills of process materials or wastes or fire water. Any proposed improvements shall include a timetable for implementation which shall be agreed with the Agency.	31/08/05
IP2	The Operator shall provide the Agency with a written description of measures in place or proposed to ensure that the three boreholes within the installation are protected from contamination by leakages or spills of process materials or wastes or fire water, so as to protect the underlying land and groundwaters. Any proposed improvements shall include a timetable for implementation which shall be agreed with the Agency.	31/08/05
IP3	The Operator shall provide the Agency with written results of an energy efficiency audit which assesses performance and the potential for reductions and savings. The assessment shall be made with reference to Section 2.7 of Sector Guidance Note IPPC S2.07, Version 1, September 2004 and to Horizontal Guidance Note H2 "Energy Efficiency", Version 3, February 2002.	31/10/05
IP4	The Operator shall provide a report in writing to the Agency detailing the monitoring method used to determine effluent flow at release point S1. The monitoring method shall be agreed in writing with the Agency.	30/06/05
IP5	The Operator shall provide a site plan showing the position of the emission points A1, A2 and A3 listed in Table 2.2.1 of the Permit.	30/06/05
IP6	The Operator shall develop an emissions inventory for the installation including releases to air, water and sewer. The methodology used for developing the inventory, including the methodology for undertaking any emission measurements, shall be agreed in writing with the Agency prior to commencement.	31/12/05
IP7	The Operator shall prepare written proposals concerning a new effluent control system (item 7 in document HAE 14 accompanying the Application). The Operator shall assess, and amend if necessary, the proposals with reference to indicative BAT requirements described in Sector Guidance Note IPPC S2.07, Version 1, September 2004. The written proposals including a timetable for implementation shall be submitted to the Agency for agreement.	31/12/05
IP8	The Operator shall carry out repairs to the floor in the anodising department described in item 13 of document HAE 14 accompanying the Application.	31/12/05
IP9	The Operator shall provide the Agency with an expanded accident management plan, to include at least but not limited to the following hazards: fire; flood; failure of containment of any of the activities identified in the Application Site Report; subsurface pipe leak; accidental spillage or leak threatening contamination of the surface water drainage system, the soakaway or the boreholes. The accident management plan shall address the indicative BAT requirements described in Sector Guidance Note IPPC S2.07, Version 1, September 2004.	31/12/05
IP10	The Operator shall assess the current method for effluent flow as agreed in IP4 with the requirements given in the MCERTS standard 'Minimum requirements for the self-monitoring of effluent flow' version 2, Aug 2004. A written report shall be provided to the Agency detailing how this standard is to be achieved and shall include time scales for implementation.	30/04/06

IP11	The Operator shall undertake an assessment of the noise impact of the installation as follows:- i.) Produce a large scale (i.e. A2) detailed plan of the installation to show the significant point source noise emissions which impact upon the external environment beyond the installation boundary. Identify the sources – i.e. by description, make and model of each item of plant where possible. ii.) Measure the point sources indicated in i) above at a given distance to give a 5 minute $L_{Aeq,}$ dB or other suitable time period for each source under normal operating conditions at that distance, taking note of and reporting if doors/windows/process vents etc are open/closed (if applicable). Indicate the duration of each source - i.e. permanent / frequent / intermittent. [Do not consider infrequent sources - i.e. yearly boiler pressure release valve testing etc.] Indicate whether the identified sources are directional, and whether or not they are screened from likely receptors (see iii to iv. below) by surrounding buildings. For frequent and intermittent sources, show the estimated percentage on-time for the daytime (0700-1900), evening (1900-2300) and night-time (2300-0700) periods. Give a $^1/_3$ octave frequency spectra for each source where tonality is observed. iii.) Measure the background noise levels at the nearest suitable noise-sensitive receptors (**in prior agreement with the Agency**), with the process not operating. iv.) Measure the ambient noise levels at the nearest suitable noise-sensitive receptors (**in prior agreement with the Agency**) with the process operating. v.) Measure the specific noise levels at the nearest suitable noise-sensitive receptors (**in prior agreement with the Agency**), with the process operating. All measurements to be made in accordance with the relevant parts of BS 4142 :1997 'Method for rating industrial noise affecting mixed residential and industrial areas'. The definitions of terms used above, together with details of the information to be reported can also be found in BS4142:1997. vi.) Using BS4142:1997, provide rated noise levels for the installation at the nearest noise sensitive receptors [as identified in steps iii.), iv.) and v.) above], and compare these against the background noise levels obtained for these receptors. Provide the Agency with a report, in writing, to outline the above measurements, results, rating exercise and findings. If the rating exercise indicates a rated level of more than 5dB(A) over background at any receptor due to noise arising from the installation, specify measures to be taken to ensure that levels are reduced to less than 5dB(A) over background. Include a timetable of specified works within the report.	30/04//06
IP12	Using the inventory developed under item IP6 above, the Operator shall assess the potential impact of all emissions from the installation on the environment as a whole using the H1 assessment tool or an equivalent assessment.	30/04//06
IP13	The Operator shall ensure that all storage tanks containing raw materials, intermediates or wastes are adequately bunded and that the bunds are in a good state of repair. The Operator shall provide the Agency with a written report detailing the capacity, construction material, and integrity of each bund. The report shall also identify any repairs or improvements to bunding that may be necessary, together with a timetable for implementation of any proposed improvements to be agreed with the Agency.	30/04/06
IP14	The Operator shall implement the plan agreed under item IP7 above, to the agreed timetable.	30/06/06
IP15	The Operator shall provide written details of the extent, age, construction details and condition of hardstanding throughout the installation, and shall carry out any works necessary to repair or extend the hardstanding so as to ensure that the land and groundwaters are protected from potential leaks and spills of potential polluting substances. The nature of any works, and the timetable for implementation, shall be agreed in writing with the Agency in advance of implementation	30/06/06
IP16	The operator shall provide a written report on the results of the initial inspection of the subsurface pipework as detailed in the Application Environmental Programme, reference HAE 14. The report shall detail any improvements required and a timetable for implementation. The operator shall provide a written report to the Agency detailing the subsequent method and programme for the inspection of the subsurface pipework. This is to be agreed with the Agency prior to implementation..	30/06/05

IP17	Submit a report for the approval of the Environment Agency containing following information: ▪ Average, peak and minimum efficiency of the oil/water filter taken over a period of 1 year (% oil recovered or other parameter approved by the Environment Agency); ▪ Quarterly chemical analysis taken over a period of 1 year including but not limited to pH, total hydrocarbons, suspended solids; ▪ Details of any deficiencies, including corrective action, during commissioning or operation of the oil/water interceptor. The notification requirements of condition 1.4.1 will be deemed to have been complied with on submission of the report.	01/08/11

Condition 2.1.1 is amended such that Table 2.1.1 is amended to:

Table 2.1.1: Operating techniques

Description	Parts	Date received
Application.	The response to questions 2.1 and 2.2 given in pages 8 to 18 of the application.	30/07/04.
Response to request for information, letter dated 20/01/05.	The response to Question 6 regarding point sources of emissions to air in the response letter.	22/01/05.
Variation application (EPR/BX9455IF/V002)	Documents 4 and 5	24/03/10

Condition 2.2.2.7 is amended such that Table 2.2.7 is amended to:

Table 2.2.7 Emission points to sewer

Emission point reference or description	Source	Sewer
S1 identified on the Site Services Drawing HAE 05 accompanying the Application.	Effluent treatment plant .	Dwr Cymru (Cardiff East Waste Water Treatment Works).
S2 identified on the Amended Drawing accompanying this variation and included in Schedule 4 of this Notice.	Oil/Water Filter Unit	Dwr Cymru (Cardiff East Waste Water Treatment Works).

Condition 2.2.2.8 is amended such that Table 2.2.8 is amended to:

Table 2.2.8 : Emission limits and monitoring frequency to sewer				
Emission point reference	**Substance**	**Limit (including reference period)**	**Monitoring frequency**	**Monitoring method** Note 1
S1	Chromium (total)	1.0 mg/l	Six - Monthly	BS EN ISO 11885:1998, BS 6068-2.60:1998.
S1	Cadmium and its compounds	0.01 mg/l	Annually	Compliance based on mass balance calculation Note 2.
S1	Copper	1.0 mg/l	Six - Monthly	BS EN ISO 11885:1998, BS 6068-2.60:1998.
S1	Lead	1.0 mg/l	Six – Monthly	BS EN ISO 11885:1998, BS 6068-2.60:1998.
S1	Mercury and its compounds	0.005 mg/l	Annually	Compliance based on mass balance calculation Note 2.
S1	Nickel	1.0 mg/l	Six - Monthly	BS EN ISO 11885:1998, BS 6068-2.60:1998.
S1	Zinc	2.0 mg/l	Six - Monthly	BS EN ISO 11885:1998, BS 6068-2.60:1998.
S1	pH	Not less than 6 and not greater than 11	Continuous.	BS6068-2.50:1995, ISO 10523:1984. Note 3

Note 1: Or to an EN, BS, ISO or SCA blue book standard as agreed in writing with the Agency.

Note 2: See condition 6.1.1.

Note 3: The Operator shall provide a procedure / work instruction that shall be agreed with the Agency for the operation of the continuous pH meter having regard to the calibration requirements given in BS6068-2.50:1995, ISO 10523:1984.

Condition 2.10.2 is amended to:

2.10.2 No condition applies.

Table S2 in Schedule 2 is amended to:

Table S2: Reporting of monitoring data			
Parameter	**Emission point**	**Reporting period**	**Period begins**
Cadmium and its compounds (g/year)	S1	Annually	01/01/10
Cadmium and its compounds (mg/l)	S1	Annually	01/01/10
Chromium (mg/l)	S1	Annually	01/01/10
Copper (mg/l)	S1	Annually	01/01/10
Lead (mg/l)	S1	Annually	01/01/10
Mercury and its compounds (g/year)	S1	Annually	01/01/10
Mercury and its compounds (mg/l)	S1	Annually	01/01/10
Nickel (mg/l)	S1	Annually	01/01/10
Zinc (mg/l)	S1	Annually	01/01/10
pH	S1	Annually	01/01/10
Water usage	Installation	Annually	01/01/10
Energy usage	Installation	Annually	01/01/10
Waste disposal and/or recovery	Installation	Annually	01/01/10

Schedule 3 – conditions to be added

None.

Schedule 4 – amended plan