

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

JBR Recovery Limited

West Bromwich Silver Refinery
Argentor House
Oldbury Road
West Bromwich
West Midlands
B70 9BS

Variation application number

EPR/BJ9878IQ/V010

Permit number

EPR/BJ9878IQ

West Bromwich Silver Refinery

Permit number EPR/BJ9878IQ

Introductory note

This introductory note does not form a part of the notice

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

The Operator has applied to install a new electrically heated 1 tonne furnace to melt silver crystals prior to casting into bullion ingots.

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 permit		
Detail	Date	Response Date
Application BJ9878 (Application EPR/BJ9878IQ/A001)	Received 5/12/01	Dated 30/11/01
Claim for commercial-in-confidence status for certain information with application	Received 5/12/01	
Commercial-in-confidence claim disputed by the Environment Agency	11/12/01	
Revised commercial-in-confidence claim submitted	Received 18/12/01	Agreed by Agency 18/12/01
Statutory advertisement placed in London Gazette	11/01/02	
Statutory advertisement placed in Birmingham Post	12/01/02	
Issue of first Schedule 4 Notice requiring further information	27/03/02	Response due 25/06/02
Issue of second Schedule 4 Notice requiring further information	21/08/02	Response to first and second Notice due 19/11/02
Request by applicant to extend completion date for both Schedule 4 Notices to 19/02/03	Received 12/11/02	Agreed 12/11/02
Response to both Schedule 4 Notices	Received 19/02/03	Dated 19/02/03
Request to extend determination period to 31/05/03	Issued 17/03/03	Agreed by applicant 31/03/03
Permit BJ9878 (EPR/BJ9878IQ)	Determined 30/06/03	
Variation application BP3638SG (EPR/BJ9878IQ/V002)	Received 11/01/05	Not duly made

Status Log of permit

Detail	Date	Response Date
Additional information to support application	Received 08/02/05	Duly made 23/03/05
Claim for commercial-in-confidence status for certain information with application	Received 08/02/05	
Request for justification for commercial-in-confidence claim	Issued 04/03/05	
Additional information to support claim for commercial-in-confidence status	Received 10/03/05	Claim agreed 05/04/05
Variation BP3638SG (EPR/BJ9878IQ/V002)	Determined 17/05/05	
Variation application JP3639XJ (EPR/BJ9878IQ/V003)	Received 17/12/07	Duly made 21/02/08
Variation JP3639XJ (EPR/BJ9878IQ/V003)	Determined 28/02/08	
Variation application EPR/BJ9878IQ/V004	Received 15/07/09	Duly made 15/07/09
Variation EPR/BJ9878IQ/V004	Determined 04/11/09	
Variation Application EPR/BJ9878IQ/V005	Received 18/10/10	Duly Made 18/10/10
Variation (EPR/BJ9878IQ/V005)	Determined 12/11/10	
Variation Application EPR/BJ9878IQ/V006	Received 28/01/11	Duly made 28/01/11
Variation EPR/BJ9878IQ/V006)	Determined 07/03/11	
Application received EPR/BJ9878IQ/V007	06/01/12	Application to vary and reinstate emission point A10
Variation determined EPR/BJ9878IQ/V007	09/02/12	Variation notice issued.
Application received EPR/BJ9878IQ/V008	27/06/12	Application to remove SR2008No1_75kte (EAWML 102065)
Variation determined EPR/BJ9878IQ/V008	01/08/12	Variation notice issued.
Application received EPR/BJ9878IQ/V009	Duly made 13/07/12	Application to increase cupel furnace throughput and install bag filter unit
Additional information received	01/08/12	Clarification of alarm arrangements that would indicate bag filter failure
Variation determined	03/08/12	Variation notice

Status Log of permit

Detail	Date	Response Date
EPR/BJ9878IQ/V009		issued.
Application received EPR/BJ9878IQ/V010	Duly made 14/11/12	Application to include new good delivery furnace and emission point A11.
Additional information received	10/01/13	Proposal to removed monitoring requirements from emission points A6 and A11.
Variation determined EPR/BJ9878IQ	15/01/13	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/BJ9878IQ

issued to:
JBR Recovery Limited (“the operator”)

whose registered office is

**Argentor House
Oldbury Road
West Bromwich
B70 9BS**

company registration number **02623872**

to operate a regulated facility at

**West Bromwich Silver Refinery
Argentor House
Oldbury Road
West Bromwich
B70 9BS**

to the extent set out in the schedules.

The notice shall take effect from 15/01/2013

Name	Date
Kelly Bailey	15/01/2013

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.

Table 2.3.1 as referenced in condition 2.3.1 is amended to:

Table 2.3.1: Operating techniques		
Description	Parts	Date Received
Application	The response to question 2.3 given in section B2.3/D5 of the application	5/12/01
Response to Schedule 4 Notices	The response to questions 41 to 45 inclusive	19/02/03
Response to Schedule 4 Notices	Amendments to section B2.3/D5 of the application	19/02/03
Application for Variation JP3639XJ	Section C2.1	17/12/07
Application for Variation EA/EPR/BJ9878IQ/V004	Response to questions C1b, C2a and C2c, Appendix 6 1 and 2 of the application.	15/07/09
Further information	Further information provided identifying the EWC code of the waste that will be accepted and changes to surface water management.	13/10/09
Application for Variation EA/EPR/BJ9878IQ/V006	Part C3.3a	28/01/11
Application for Variation EA/EPR/BJ9878IQ/V009	The responses to application form section C2 questions 2b, 5c and 6.	13/07/12
Application for Variation EA/EPR/BJ9878IQ/V010	The responses to application form section C2 Questions 2b, 5c and 6. The responses to application form section C3 Questions 1, 2, 3, 4 and 6.	14/11/12
Further information	Proposals for removal of monitoring requirements on emission points A6 and A11.	10/01/13

Table 6.1.1 as referenced in condition 6.1.1 is amended to :

Table 6.1.1: Emission points into air		
Emission point reference/description	Source	Location of emission point
A1	Rotary Kiln, Hoval 1 and Hoval 2	A1 on drawing 005 08/11/2012
A2	Blast Furnace	A2 on drawing 005 08/11/2012
A3	Cupel Furnace and lead Refining Kettle	A3 on drawing 005 08/11/2012
A4	Sampling Department LEV system	A4 on drawing 005 08/11/2012
A5	Refinery LEV system	A5 on drawing 005 08/11/2012
A6	Refinery Melting Exhaust	A6 on drawing 005 08/11/2012
A7	Blast Furnace Feed Mixer	A7 on drawing 005 08/11/2012
A10	Extra Refinery LEV system	A10 on drawing 005 08/11/2012
A11	Extra good delivery melt furnace	A11 on drawing 005 08/11/2012

Table 6.1.3 as referenced in condition 6.1.3 is amended to :

Table 6.1.3: Emission limits into Air						
Parameters	Emission Point					
	A1	A2	A3	A4	A5 A10	A7
Particulate mg Nm⁻³						
30 min average	-	-	-	-	-	-
100%	-	-	-	-	-	-
97%	10	10	-	-	-	-
Daily average						
Monthly average or extractive sample (min 4 hour)	10	10	10	10	10	10
Frequency of monitoring (C = continuous)	C + annual	C + annual	Twice a year	annual	annual	annual
Minimum interval between extractive monitoring	10 months	10 months	4 months	10 months	10 months	10 months
Oxides of nitrogen (as NO₂) mg Nm⁻³						
30 min average	-	-	-	-	-	-
100%	-	-	-	-	-	-
97%	-	-	-	-	-	-
Daily average	400	300	-	-	-	-
Monthly average or extractive sample.						
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between extractive monitoring	4 months	4 months	-	-	-	-
Sulphur dioxide mg Nm⁻³						
30 min average	-	-	-	-	-	-
100%	-	-	-	-	-	-
97%	-	-	-	-	-	-
Daily average	50	-	-	-	-	-
Monthly average or extractive sample						
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between extractive monitoring	4 months	4 months	-	-	-	-

Table 6.1.3: Emission limits into Air

Parameters	Emission Point					
	A1	A2	A3	A4	A5 A10	A7
Hydrogen chloride mg Nm⁻³						
30 min average	-	-	-	-	-	-
100%	-	-	-	-	-	-
97%	-	-	-	-	-	-
Daily average	10	10	-	-	-	-
Monthly average or extractive sample						
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between extractive monitoring	4 months	4 months	-	-	-	-
Carbon monoxide mg Nm⁻³						
10 min average	-	-	-	-	-	-
95%	-	-	-	-	-	-
30 min average	-	-	-	-	-	-
Daily average	-	-	-	-	-	-
Monthly average or extractive sample						
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between extractive monitoring	4 months	4 months	-	-	-	-
Volatile Organic Compounds (as TOC) mg Nm⁻³						
30 min average	-	-	-	-	-	-
100%	-	-	-	-	-	-
97%	-	-	-	-	-	-
Daily average	50	-	-	-	-	-
Monthly average or extractive sample						
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between extractive monitoring	4 months	4 months	-	-	-	-
Dioxins (ITEQ) ng Nm⁻³	0.1	0.1	-	-	-	-
Frequency of monitoring	Twice a year	Twice a year	-	-	-	-
Minimum interval between monitoring	4 months	4 months	-	-	-	-

Table 6.1.3: Emission limits into Air

Parameters	Emission Point					
	A1	A2	A3	A4	A5 A10	A7
Silver and its compounds taken together (as metal) mg Nm⁻³	2	2	2	2	2	2
Frequency of monitoring	Annual	Annual	Annual	Annual	Annual	Annual
Minimum interval between monitoring	10 months	10 months	10 months	10 months	10 months	10 months
Lead and its compounds taken together (as metal) mg Nm⁻³	2	2	2	-	-	-
Frequency of monitoring	Twice a year	Twice a year	Twice a year	-	-	-
Minimum interval between monitoring	4 months	4 months	4 months	-	-	-
Hydrogen bromide mg Nm⁻³	5	5	-	-	-	-
Frequency of monitoring	Annual	Annual	-	-	-	-
Minimum interval between monitoring	10 months	10 months	-	-	-	-
Hydrogen sulphide mg Nm⁻³	5	5	-	-	-	-
Frequency of monitoring	Annual	Annual	-	-	-	-
Minimum interval between monitoring	10 months	10 months	-	-	-	-
Zinc and its compounds taken together (as metal) mg Nm⁻³	-	-	2	-	-	-
Frequency of monitoring	-	-	Twice a year	-	-	-
Minimum interval between monitoring	-	-	4 months	-	-	-

Table 9.1.2 as referenced in condition 9.1.2 is amended by the addition of the following.

Table 9.1.2: Improvement Conditions (Site Specific)		
Reference	Requirement	Date
9.2.20	The operator shall carry out monitoring of the emissions from emission point A11 to determine the concentrations of particulate matter and silver. On completion of the monitoring a report shall be submitted to the Environment Agency.	30 September 2013

Table S2 in Schedule 2 to the permit, as referenced in condition 4.1.2 shall be amended to the following:

Table S2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins
Particulate mg Nm ⁻³	A3, A4, A5, A7, A10.	Every 6 months	01 July 2003
	A1, A2,	Every 12 months	
Oxides of nitrogen (as NO ₂) mg Nm ⁻³	A1, A2, A3,	Every 6 months	01 July 2003
Sulphur dioxide mg Nm ⁻³	A1, A2,	Every 6 months	01 July 2003
Hydrogen chloride mg Nm ⁻³	A1, A2,	Every 6 months	01 July 2003
Carbon monoxide mg Nm ⁻³	A1, A2, A3,	Every 6 months	01 July 2003
Volatile Organic Compounds (as carbon) mg Nm ⁻³	A1, A2,	Every 6 months	01 July 2003
Dioxins (ITEQ) ng Nm ⁻³	A1, A2,	Every 6 months	01 July 2003
Lead and its compounds taken together (as metal) mg Nm ⁻³	A1, A2, A3,	Every 6 months	01 July 2003
Silver and its compounds taken together (as metal) mg Nm ⁻³	A1, A2, A3, A4, A5, A7, A10.	Every 12 months	01 July 2003
Hydrogen Bromide mg Nm ⁻³	A1, A2,	Every 12 months	01 July 2003
Hydrogen Sulphide mg Nm ⁻³	A1, A2,	Every 12 months	01 July 2003
Zinc and its compounds taken together (as metal) mg Nm ⁻³	A3	Every 12 months	01 July 2011

Form A2 in Schedule 3 to the permit shall be amended to the following:

Form A2 – Releases into Air

Release summary for 6 Months to .../.../20...

Operator: JBR Recovery Limited

Permit Number: BJ9878

Location: West Bromwich Silver Refinery

Table S3.A2: Releases to air			
Parameter	Release Point	Date	Measurement
Volatile Organic Compounds (as carbon) mg Nm ⁻³	A1		
	A2		
Dioxins (ITEQ) ng Nm ⁻³	A1		
	A2		
Hydrogen Bromide mg Nm ⁻³	A1		
	A2		
Hydrogen Sulphide mg Nm ⁻³	A1		
	A2		
Lead and its compounds taken together (as metal) mg Nm ⁻³	A1		
	A2		
	A3		
Silver and its compounds taken together (as metal) mg Nm ⁻³	A1		
	A2		
	A3		
	A4		
	A5		
	A7		
Zinc and its compounds taken together (as metal) mg Nm ⁻³	A3		

Date:

Signed:.....

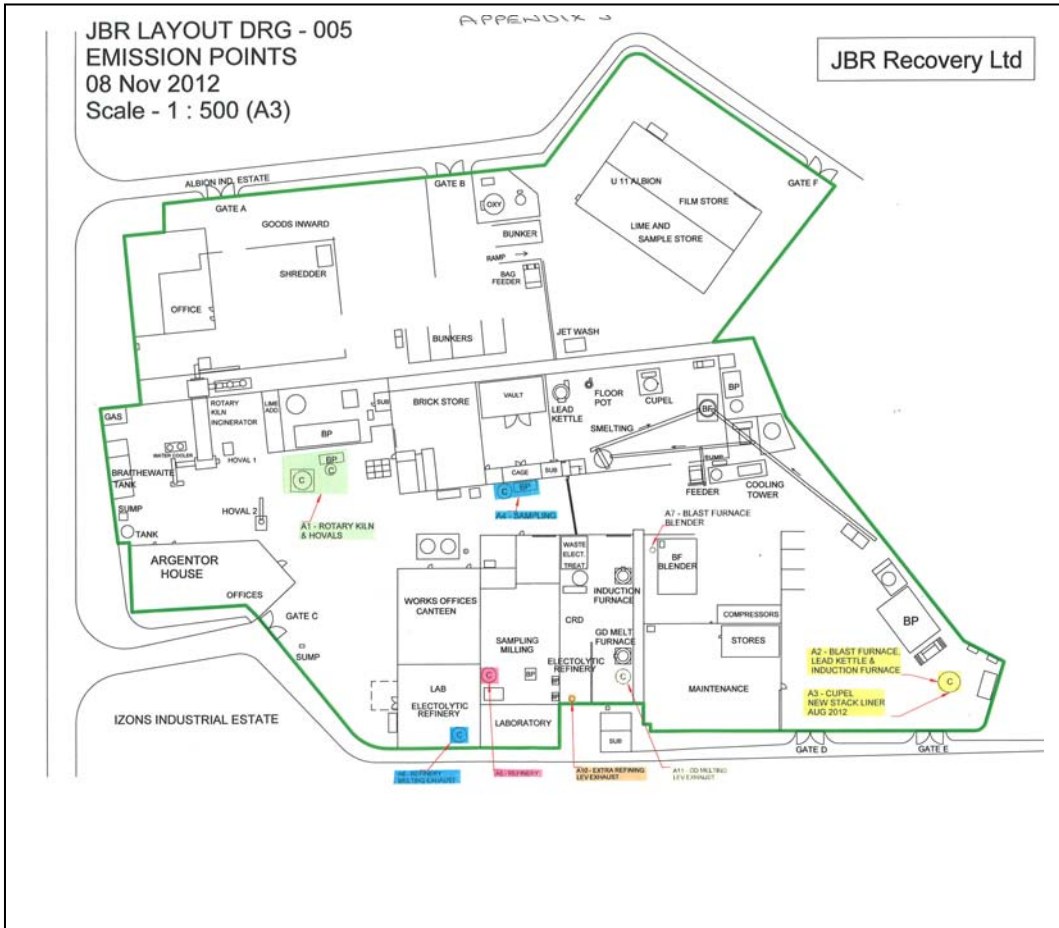
Form A2 (04/12/2012)

Schedule 3 – conditions to be added

None.

Schedule 4 – Site Plan

The site plan has been amended by the addition of the good delivery furnace and emission point A11.



END OF VARIATION NOTICE