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3201901 67P

Application to the relevant hazardous substances authority (planning authority)

The Planning (Hazardous Substances) Act 1990 - Section 7(1)

The Planning (Hazardous Substances) Regulations 2015 (Regulation 5)

Application for Hazardous Substances Consent

1

Applicant	Johnson Matthey Plc
Address	Pimlico Industrial Area
	West Bradford Road, Clitheroe, Lancashire
Post code	BB7 4QB
Telephone number	01200 422493

Person in control of the land to which the application relates, if different to above	
Address	
Post code	
Telephone number	

2

Address or other location details of application site	Johnson Matthey Plc
	Pimlico Industrial Estate
	West Bradford Road, Clitheroe, Lancashire
Post code	BB7 4QB
OS grid ref	7471 4307

3 **Hazardous substance(s) covered by the application**

(a) List named substances falling within Part 2 of Schedule 1 to the Regulations first, then list any substances falling within the categories in Part 1 of that Schedule; finally list substances falling within the description in Part 3.

(b) Substances falling within Parts 1 or 3 of Schedule 1 to the Regulations may be listed under the relevant category or description or named specifically. Where a substance falls within Part 1 and 2 list under Part 2 only; where a substance falls within more than one category in Part 1 list under the category which has the lowest controlled quantity. Where a substance falling within Part 1 or 2 also falls within Part 3 list under the Part which has the lowest controlled quantity. The "controlled quantity" means the quantity specified for that substance in column 2 of Parts 1, 2 or 3 of Schedule 1 to the Regulations.

Note: The Planning (Hazardous Substances) (Amendment) Regulations 2015 are relevant to Q* (addition rule) for LPG, and relevant to notes about ammonium nitrate.

Name, or relevant category or description of substance	*Part number in Schedule 1 to the Regulations, and entry number if Part 2, category if Part 1, identity if Part 3*	*Do you have a current PHS consent* in respect of this substance? (Yes/No*	*If "yes", state quantity for which consent granted, tonnes (Note 1)*	*Maximum quantity proposed to be present in tonnes*
Nickel Monoxide	Part 2, Entry 11	Yes	3	3
Hydrogen	Part 2, Entry 15	Yes	0.97	*0.3*
Natural Gas	Part 2, Entry 18	Yes	0.076	*0.076*
Oxygen	Part 2, Entry 25	Yes	51	*51*
H2 Acute Toxic Category 2	Part 1	Yes	38	*38*
H2 Acute Toxic Category 3	Part 1	No		*170*
P4 Oxidising Gases, Category 1	Part 1	Yes	0.6	*0.6*
P8 Oxidising Liquids and Solids, Category 2 & 3	Part 1	Yes	178.5	*184*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Part 1	Yes	2604	*2515*

Note 1: These quantities are not stated in the current hazardous substance planning consent dated 29/06/2015, application number 3/2014/0759 issued by Ribble Valley Council. The values are the quantities we applied for during the application.

4 **Manner in which substance(s) are to be kept and used**

For each substance, category or description of substance, covered by the application, provide the following information, referring to the substance location plan where appropriate.

"vessel" means any container designed or adapted to contain hazardous substances which is affixed to the land, and includes a container which forms part of plant or machinery which is affixed to the land but does not include a pipeline.

"Buried" or "Mounded" vessel includes a vessel which is only partially buried or partially mounded.

"moveable container" means any container designed or adapted to contain hazardous substances other than a vessel.

(a) Tick one box below to show whether the substance(s) will be present for storage only **or** will be stored and involved in a manufacturing, treatment or other industrial process:

Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Storage Only***	***Stored and involved in an industrial process***
Nickel Monoxide, Part 2, Entry 11		✓ (Note 2)
Hydrogen, Part 2, Entry 15	✓ (Note 3)	
Natural Gas, Part 2, Entry 18		✓
Oxygen, Part 2, Entry 25		✓
H2 Acute Toxic Category 2		✓
H2 Acute Toxic Category 3		✓
P4 Oxidising Gases, Category 1		Not applicable, process generated, not stored (Note 4)
P8 Oxidising Liquids and Solids, Category 2 & 3		✓
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1 and/or E2 hazardous to the aquatic environment in category chronic 2.		✓

Note 2: Named substance is generated during the manufacture of products. It is not specifically stored or involved in an industrial process but may be present in inhalable form.

Note 3: Used on instrumentation within the laboratory for analysis purposes only.

Note 4: P4 Oxidising gases, Category 1 created during manufacturing process as a by-product. By-product removed and treated using abatement techniques before release to atmosphere under environmental permit reference EPR-BL8406IG/V006.

(b) For each vessel to be used for storing the substance(s) give the following information:

*Vessel No**	*Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3*	*Installed above ground† (Yes/No)*	*Secondary Containment Provided*	*Buried (Yes/No)*	*Mounded (Yes/No)*	*Maximum capacity (cubic metres)*	*Highest vessel design temperature °C*	*Highest vessel design pressure (bar absolute)*
F60	Oxygen. Part 2, Entry 25	Yes	Yes	No	No	51 m^3 (51 Tonnes)	Operates at -183 °C	Operates at 10 barg with 17 bar pressure relief and 24 bar bursting discs.
4F1	H2 Acute Toxic Category 2	Yes	Yes	No	No	38 m^3 (22.8 Tonnes)	50	1.02 bar
3F15	H2 Acute Toxic Category 3	Yes	Yes	No	No	130 m^3 (175 Tonnes)	50	+10 mbarg / - 5 mbarg
3F56	E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Yes	Yes	No	No	130 m^3 (192 Tonnes)	80	+10 mbarg / - 5 mbarg
F62	E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Yes	Yes	No	No	8 m^3	80	+7.5 mbarg / - 2.5 mbarg
3F16	E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Yes	Yes	No	No	130 m^3	80	+7.5 mbarg / - 2.5 mbarg
21F301	E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Yes	Yes	No	No	145 m^3	80	+10 mbarg / - 5 mbarg
35F54	E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Yes	Yes	No	No	3 m^3	80	+7.5 mbarg / - 2.5 mbarg
40F6	H2 Acute Toxic Category 3	Yes	Yes	No	No	2 m^3	50	1 bar
41F02	H2 Acute Toxic Category 3	Yes	Yes	No	No	0.735 m^3	50	1 bar

(c) For each substance, category, or description of substance, state the largest size (capacity in cubic metres) of any moveable container(s) to be used for that substance, category, or description of substances:

Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Storage area on site* (Map reference)***	***Maximum capacity (cubic metres) of individual moveable containers***
Nickel Monoxide, Part 2, Entry 11	8 Plant, Oven Bay (1)	0.22 Tonnes (0.22 m^3)
Hydrogen, Part 2, Entry 15	Laboratory gas store (2)	0.075 Tonnes
Natural Gas, Part 2, Entry 18	Gas receiving Houses x 2 (3)	N/A
Oxygen, Part 2, Entry 25	Oxygen storage tank (4)	Road Tanker, 13 m^3 (13 Tonnes)
H2 Acute Toxic Category 2	North Site (5)	Road Tanker, 6 m^3 (10 Tonnes)
H2 Acute Toxic Category 3	North Site (6)	Road Tanker, 21.2m^3 (29 Tonnes)
P8 Oxidising Liquids and Solids, Category 2 & 3	Raw Material Store, 3 Plant, 8 plant, 12 plant, 28 Plant 41 Plant (8), (9), (10), (14) & (16).	0.025 T Bags, 1 Tonne FIBC's or 1T (1m^3) IBC's
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1 and/or E2 Hazardous to the aquatic environment in category Chronic 2	Raw material Store, 3 Plant, 8 plant, 9 Plant, 12 Plant, 15 plant, 21 Plant, 28 Plant , 31 Plant, 35 Plant, (8), (9), (10), (11), (14), (16) and Marshalling area (M)	0.025 T bags, 1 Tonne FIBC's or 1T (1m^3) IBC's 0.22 T (0.22 m^3) barrels

* identify by reference to substance location plan

- Transport to and from site by road truck/tanker except for natural gas which is received via mains pipeline.
- Transport of goods around site is conducted on private roads.

(d) For each substance, category, or description of substance, state major storage locations of relevant substances.

Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Storage area on site****	**Map Reference**	***Maximum capacity (cubic metres)/ Tonnes***
Nickel Monoxide, Part 2, Entry 11	8 Plant Oven bay 35 Plant	(1)	3 T combined
Hydrogen, Part 2, Entry 15	Laboratory gas store	(2)	0.30 T
Natural Gas, Part 2, Entry 18	North and South Site	(3)	0.076 T
Oxygen, Part 2, Entry 25	North Site	(4)	51 T
H2 Acute Toxic Category 2	North Site	(5)	38 T
H2 Acute Toxic Category 3	3 plant 40/41 plants	(6) (13)	175 T 2 x 1T
P8 Oxidising Liquids and Solids, Category 2 & 3	Raw material Store (solids) 8 Plant 28/35 Plant (Solid/Liquid) 41 Plant (Solids)	(14) (10) (9) & (16) (12)	57 T 2 T 15 T 110 T
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1 in E2 Hazardous to the aquatic environment in category chronic 2.	Raw material Store (solids) North Site (liquid) North Site (Solids/Liquids)	(14) (7) (8)	825 T 410 T 420 T

	28/31 and 35 Plants (Solids/Liquids)	(9)	100 T
	Oven bay/8/13 & 15 plant area (solids/liquids)	(10)	285 T
	21 Plant (solids/liquids)	(11)	285 T
	Marshalling area (Solids)	(M)	190 T

(e) Where a substance, category or description of substance is to be used in a manufacturing, treatment or other industrial process(es), give a general description of the process(es), describe the major items of plant which will contain the substance(s); and state the maximum quantity (in tonnes) which is liable to be present in the major items of the plant, and the maximum temperature (°C) and pressure (bar absolute) at which the substance, category or description of substance is liable to be present:

Process: Metal Dissolution processes

Map Reference (15), Use of H2 Cat 3 to Manufacture E1 Cat 1

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Description of process(es)***	***Major items of plant****	***Max. quantity (tonnes/m³)***	***Max. temp. (°C)***	***Max. pressure (bar absolute)***
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Metal dissolution	F61, Tank	14 m^3	90	+ 30 mbarg
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Metal dissolution	8F6, 8F7 & 8F45, Tanks	13 T, 24 T, 24 T	90	+ 50 mbarg

Map reference (18) Use of H2 Cat 3 and Part 2, Entry 25 to manufacture E1 Cat1

E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Metal dissolution	3F1, Tank	82 m^3	90	+ 30 mbarg

Map Reference (17) Use of H2 Cat 2 and H2 Cat 3 to manufacture a non classified substance.

H2 Acute Toxic Category 2 & H2 Acute Toxic Category 3	Metal dissolution	4F3	82 m^3	80	- 6 mbarg

3 Plant: Process formation of Intermediates and Calcination.

Map reference (8)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Formation and processing of intermediates	3F13 A/B/C (ageing tanks), 3F21/22, 3F34 (holding tanks)	14 m³, 3 m³, 11 m³	80	+7.5 mbarg
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Calcination	3B2, Calciner	Up to 2.8 T per hour feed	400	Atmospheric

4 Plant: Process formation of Intermediates and Drying.

Map reference (8)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Formation and processing of intermediates	4D10A/B (precipitation), 4F16, 4F11, 4F19 (holding tanks)	22.8 m³, 3 m³, 40 m³, 5 m³	70	+10 mbarg
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying	4B1, Dryer	Up to 1.5 T per hour feed	150	Atmospheric

7 Plant: Calcination.

Map reference (8)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying & Calcination	7B1, Dryer/Calciner	7 T	400	Atmospheric

8 Plant: Formation of Intermediates, Impregnation, Drying and Calcining.

Map reference (10 & 1)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Formation and processing of intermediates	8D1 (precipitation reactor), 8F4, 8D3A/B (holding tanks)	30 m^3, 30 m^3, 11 m^3 each	80	+7.5 mbarg
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Impregnation	F80, F81 dipping tanks	14 m^3, 14 m^3	70	Atmospheric
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying	8B1, Dryer	Up to 1 T per hour	130	Atmospheric
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1 and Nickel Monoxide, Part 2, Entry 11	Calcination	8B2, calciner	0.64 T	600	1

9 Plant: Formation of Products and Drying.

Map Reference (8)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Description of process(es)***	***Major items of plant****	***Max. quantity (tonnes/m^3)***	***Max. temp. (°C)***	***Max. pressure (bar absolute)***
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying	9B1, Dryer	Up to 1 T per hour feed	300	Atmospheric

13 Plant: Firing of products

Map Reference (10)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	***Description of process(es)***	***Major items of plant****	***Max. quantity (tonnes/m^3)***	***Max. temp. (°C)***	***Max. pressure (bar absolute)***
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1 Nickel Monoxide, Part 2, Entry 11	Decomposition ovens	13B4 & 13B5, Kilns	5.8 T each	650	n/a

21 Plant: Formation of Intermediates.

Map Reference (11)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m^3)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Formation and processing of intermediates	21D306A/B (ageing reactors), 21F331/2/3/4/5, 21F519 (holding tanks)	1.5 m^3 each x2 0.1 m^3 each x 5 15 m^3	100 70 70	0.5 Barg +10 mbarg +10 mbarg
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying	21B510, Dryer	Up to 3 T per hour feed	150	Atmospheric

28 Plant: Solution Preparation, Impregnation, drying and Calcination.

Map Reference (9)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m^3)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
P8 Oxidising liquid, Category 2	Solution make up	28F51, 28F56, 28F57 Tanks	1.5 T each x 3	150	-5/+10 mbarg
P8 Oxidising liquid, Category 2	Impregnation	28S55, mixer	0.3 m^3	100	Atmospheric
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Calcining	Calciner 28B5	0.4 T	350	+/- 130 mbarg

31 Plant: Formation of Intermediates and Calcination.

Map Reference (9)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Mixing		5	Ambient	Atmospheric
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Drying	31B2, Dryer	Up to 1 T per hour feed	300	Atmospheric

35 Plant: Dipping and Firing

Map Reference (1) and (9)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Dipping	35F60, Tank	4 m^3	80	Atmospheric
Nickel Monoxide, Part 2, Entry 11	Firing	35B71 & 35B72, Kilns	Up to 1 T per kiln x 2	600	Atmospheric

41 Plant: Drying and Packing.

Map Reference (12)

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
P8 Oxidising Solids, Category 3	Drying	41B01	Up to 0.8 T per hour feed	110	Atmospheric
P8 Oxidising Solids, Category 3	Product Storage	41H01 & 41H02	2 x 20 T each	Ambient	Atmospheric

Pipelines: Transport of liquids/gases

Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3	*Description of process(es)*	*Major items of plant**	*Max. quantity (tonnes/m³)*	*Max. temp. (°C)*	*Max. pressure (bar absolute)*
H2 Acute Toxic Category 2	Transport of substance	Pipeline	0.35 T	100	1.07
H2 Acute Toxic Category 3	Transport of substance	Pipeline	0.7 T	50	6
E1 Hazardous to the aquatic environment in category Acute 1 or Chronic 1	Transport of substance	Pipeline	0.7 T	80	6

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HSE Reference Number *(for HSE office use)*

Notes

1. This is the prescribed form for notifying the Competent Authority (CA) under Regulation 6 of the Control of Major Accident Hazard Regulations 2015 (COMAH). Operators are required to use this form. It will help you to provide the relevant information and it will assist the CA to record and assess the information provided.

2. Detailed guidance on COMAH is contained in the publication 'A Guide to the Control of Major Accident Hazards Regulations 2015' referred to in this document as ' L111 Guidance'. It is available to download for free or buy from the HSE website at:

http://www.hse.gov.uk/pubns/books/l111.htm

3. Operators are strongly advised to obtain and refer to this guidance.
In particular you should refer to the section of the guidance on Notifications (Regulation 6), Interpretation (Regulation 2), Application and Exceptions (Regulation 3) and Schedule 1 Parts 1-3. You are advised to refer carefully to the timescales for notifications in the Appendix 3 to the L111 Guidance.

4. The notification form includes information required by the COMAH 2015 Regulations and other relevant information which will assist the Competent Authority to deal with your notification efficiently. HSE receive and administer the notifications on behalf of the CA (see L111 guidance on Regulation 4).

5. You must send the completed notification to the following e-mail address:

comah.notifications@hse.gsi.gov.uk

You will receive an automated e-mail by return, confirming that we have received your notification. The notification details will be sent to the COMAH team in your area for further assessment.

6. If you have any questions or concerns about the information that you must provide via this notification form or the means of sending your notification, contact your COMAH Intervention Manager or local HSE/ONR/EA/SEPA/NRW office to discuss.

7. Further information on the COMAH Regulations is available on the website:

http://www.hse.gov.uk/comah/index.htm

including:
COMAH 2015 Regulations and other relevant legislation.
COMAH guidance documents produced by the CA.
COMAH Charging Scheme.

Environmental Information provided in this notification.

All information provided to the CA under the COMAH Regulations 2015 is 'environmental information' under the Environmental Information Regulations 2004 or Environmental Information (Scotland) Regulations 2004. For further details, refer to L111 Guidance on Regulation 19.

Please only complete this section if you are of the opinion that some or all of the information provided should not be made available on request.

Section A

Your opinion and reasons

National Security
Is there any information in this notification which you are of the opinion should not be made available on request for national security reasons?

No *(Please select from the options)*

Commercial and Personal Confidentiality
Is there any information in this notification which you are of the opinion should not be made available on request for commercial or personal confidentiality reasons?

No *(Please select from the options)*

Other Reasons
Is there any information in this notification which you are of the opinion should not be made available on request for other reasons (as per the exceptions in the 2004 Regulations or 2004 (Scotland) Regulations?

No *(Please select from the options)*

If you have answered 'Yes' to any of the above, then you must:
- **Complete the section below including,**
  (i) details of the specific information provided in the notification to which your opinion and reasons refer
  (ii) details of your opinion relating to that information and
  (iii) details of your reasons why that information should not be made available on request

Summarised Notes **Information to be provided in the notification**

The required information is denoted by an asterisk (*) but you are strongly advised to complete the form as fully as possible.

Section B

Part 1

Date of Notification

dd/mm/yyyy: 11/01/2019

Legal Entity Name of Operator of the establishment *

Legal name of the operator of the establishment	Johnson Matthey Plc
Companies House reference	00033774
Previous Operator Name (any relevant additional information)	

Address of establishment (Postcode at the actual location of the establishment, not P.O Box address)

Full Address of the establishment *

Address Line 1 *(e.g. Building Name / Number)*	Johnson Matthey Plc
Address Line 2 *(e.g. Street Name)*	
Address Line 3 *(e.g. District)*	West Bradford Road
Town	Clitheroe
County	Lancashire
Post Code	BB7 4QB
Map / Grid reference	Easting: 374697 Northing: 443226

Part 2

Postal address of the establishment (P.O. Box address if different from above)

Postal Address of the establishment (if different from above)

Address Line 1 *(e.g. Building Name / Number)*	
Address Line 2 *(e.g. Street Name)*	
Address Line 3 *(e.g. District)*	
Town	
County	
Post Code	

Part 3

Name of the person in charge of the establishment *

Full name of person: Simon Howarth

Position of the person in charge of the establishment *

Their Job Title (e.g. site manager): Site Manager

E-mail Address for a contact at the establishment *

Contact e-mail address for the establishment for the purpose of providing the notification full address and for communications about the notification. The e-mail address may be a company e-mail address or specific to a person but must be a monitored address. If specific to a person, it may be different to the person in charge of the establishment.: simon.howarth@matthey.com

Part 4

Address of the operator

Full Address of the Registered Place of Business *

Address Line 1 *(e.g. Building Name / Number)*	5th Floor
Address Line 2 *(e.g. Street Name)*	25 Farringdon Street
Address Line 3 *(e.g. District)*	
Town	London
County	
Post Code	EC4A 4AB

E-mail Address for a contact at the Registered Place of Business *

Contact e-mail at the registered place of business (e.g. Company Secretary): simon.farrant@matthey.com

Operators of COMAH establishments will be charged for work carried out by the Competent Authority in implementing the regulations

Section C

For details of the charging see: Charging for COMAH Activities - A Guide

Contact name and/or position for invoicing

Contact name or job title/position for invoicing purposes	Alistair Penman, EHS Manager

Full postal address for invoicing purposes

Full postal address for invoicing

Address Line 1 *(e.g. Building Name / Number)*	Johnson Matthey Plc
Address Line 2 *(e.g. Street Name)*	Pimlico Industrial Estate
Address Line 3 *(e.g. District)*	
Town	Clitheroe
County	Lancashire
Post Code	BB7 4QB

E-mail Address for invoicing

E-mail address for invoicing purposes	alistair.penman@matthey.com

Section D

Part 1

Have you previously submitted a notification for this establishment under the COMAH 2015 Regulations?

Select Yes or No from menu: Yes *(Please select from the options)*

If Yes:

Date submitted (dd/mm/yyyy)

Date submitted: 17/05/2016

Part 2

Why are you submitting this notification? *(Please select from the options)*

Select most appropriate description from drop-down menu. (Refer to L111 Guidance on Regulation 6 for further details)	Other reason – provide further details below
Enter additional reasons if appropriate	

Further details on reason for notification

Provide further details here if 'other reason' for notification selected above or you wish to provide further explanation for any reason:

Addition of Nitric acid following reclassification. Addition of Copper Nickel Hydroxy carbonate and various products which contain Copper Nickel Hydroxycarbonate. Removal of Hydrozincite, Nickel hydroxycarbonate and Various products that contain Nickel Hydroxycarbonate. Increase and reduction in inventory of some substances. Inventory of Potassium and sodium nitrate below shown as 110T, this is a combined figure for both substances. Current production is normally to manufacture Potassium Nitrate but facility exists to manufacture sodium nitrate alternatively.

Expected date construction begins (dd/mm/yyyy)

Provide details of expected dates of start of construction and/or start of operation if you are new to COMAH or if you are changing tier due to change of inventory.

Expected date of start of operation (dd/mm/yyyy)

Section E

Part 1

Please choose an option in relation to whether there is any change to the tier of the establishment. *(Please select from the options)*

Non–COMAH here means that the establishment is or will not be in scope of the COMAH Regulations. LT means Lower Tier establishment. UT means Upper Tier establishment. (Refer to L111 Guidance for further details)

No change - UT

Part 2

Have you been notified at any time by the CA that you are currently part of a " Domino Group" of establishments?

Refer to L111 Guidance on Regulation 24 for further details on 'Domino Groups'

No *(Please select from the options)*

Part 3

Description of activities or proposed activities of the installations or storage facilities *

Brief description of the activities or proposed activities within the establishment, e.g. manufacture of ammonium nitrate fertilisers. (Refer to L111 Guidance on Regulation 6 for further details)

Manufacture of catalysts together with related research, development and technical activities.

Part 4

Details of the immediate environment of the establishment, and factors likely to cause a major accident or to aggravate the consequences of a major accident including, where available, details of:
(i) neighbouring establishments;
(ii) sites of operation that fall outside the scope of these regulations; and
(iii) areas and developments that could be the source of or increase the risk or consequences of a major accident and of domino effects *
Please note below if you have attached any other relevant information in a separate file.

Refer to L111 Guidance on Regulation 6 for further details

The JM Clitheroe site is located in the Pimlico area of North Clitheroe of Lancashire and it occupies approximately 13 hectares (32 acres). It is surrounded by the following; (a) Cross Hill Quarry Local Nature Reserve (LNR) and the Hansons Cement Works to the North - a section of the LNR was used as a waste tip in the past. (b) Pimlico residential area, railway lines and Coplow Quarry Site (a Site of Special Scientific Interest - SSSI) to the East, (c) Open fields to the South. (d) A school, part of the Cross Hills Quarry LNR and the River Ribble are to the East.

Sufficient information to identify the dangerous substances and the category of substances involved or likely to be present.*

The quantity and physical form of the dangerous substance or substances *

Please use the table provided to enable identification of the dangerous substances involved or that you anticipate will be present. Please refer to L111 guidance for further details on completing this section. You will need to refer to the guidance on Regulation 6 and on the details of Schedule 1 of the Regulations Parts 1, 2 and 3.

Information is required for both single substances and mixtures.

For the named dangerous substances, 'liquefied flammable gases/natural gas' and 'petroleum products and alternative fuels' (no. 18 and 34 respectively, in Part 2 of Schedule 1), these should be broken down under separate items in Column 1, e.g. Petroleum Products and alternative fuels – (a) gasolines and napthas. Then the relevant quantities for those substances should be included under Column 3.

For guidance on how to notify frequent inventory fluctuations or complex inventories with large numbers of dangerous substances, refer to L111 Guidance on Regulation 6. If you decide to adopt this approach to notify maximum quantities of generic categories, any dangerous substance which you anticipate might be present should be notified under each hazard category that applies to that substance. Therefore the total quantity of dangerous substances in the table may not reflect the total quantity of dangerous substances at your establishment.

Section F

Part 1

For establishments brought into scope by the aggregation rule, provide sufficient information to make clear the application of the aggregation rule. This should include details of which categories the substances come under when an aggregation has been applied and has brought the establishment into scope.

Describe how any aggregation rule (Note 4 in Schedule 1 Part 3) has been applied, where this has brought the establishment into scope of COMAH.	n/a

Part 2

Provide sufficient information to identify the names of dangerous substances which are in scope of COMAH.	Identify which of your substances are 'Named Dangerous Substances' under Schedule 1 Part 2 of the Regulations.	Quantity is the maximum which you can anticipate will be present.	Physical form includes gas, liquid, powder and solids.	Provide sufficient information to identify the categories of the named substances which are in scope of COMAH. You should identify all those Categories listed in Schedule 1 Part 1 of the Regulations which apply to that substance. The table allows you to select up to four categories which apply to that dangerous substance for each one you include in Column 1.
Name of dangerous substance or mixture containing dangerous substance(s)	**Is this a named substance under Schedule 1 Part 2 of the Regulations?** *(Please select from the options)*	**Quantity of Dangerous Substance (tonne)**	**Physical Form of Dangerous Substance** *(Please select from the options)*	**Category of Dangerous Substance (Schedule 1 Part 1 of the Regulations)** *(Please select from the options)*
Nickel monoxide in inhalable powder form	Yes	3.000	Solid - Powder	
Hydrogen/Liquified gases	Yes	0.500	Gas	
Oxygen	Yes	51.000	Liquid	
Natural gas	Yes	0.076	Gas	
Sodium dichromate solution	No	38.000	Liquid	H2 - ACUTE TOXIC. Category 2 (all exposure routes), category 3 (inhalation) P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1

Cerium nitrate	No	5.000	Solid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Cobalt nitrate	No	30.000	Solid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Aluminium nitrate	No	6.500	Solid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3)
60% Nitric acid	No	170.000	Liquid	H2 - ACUTE TOXIC. Category 2 (all exposure routes), category 3 (inhalation)
Nickel nitrate	No	17.000	Solid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Zinc oxide	No	350.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Various products containing zinc oxide	No	293.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Potassium nitrate	No	110.000	Solid - Powder	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3)
Oxides of nitrogen (NOx)	No	0.600	Gas	H2 - ACUTE TOXIC. Category 2 (all exposure routes), category 3 (inhalation) P4 - OXIDISING GASES. Category 1
Copper dinitrate solution	No	200.000	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Mixed metal nitrate solution (copper nitrate and zinc nitrate)	No	276.000	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Nickel nitrate solution	No	112.000	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
				E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1

Zinc nitrate solution	No	210.000	Liquid	
Zinc carbonate	No	250.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Basic copper carbonate (copper(II)carbonate-copper(II)hydroxide	No	250.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Various products containing basic copper carbonate	No	140.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Copper Nickel hydroxycarbonate	No	10.000	Solid - Powder	H2 - ACUTE TOXIC. Category 2 (all exposure routes), category 3 (inhalation) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Various products containing copper nickel hydroxycarbonate	No	20.000	Solid	H2 - ACUTE TOXIC. Category 2 (all exposure routes), category 3 (inhalation) E2 - Hazardous to the Aquatic environment. Category Chronic 2
Various intermediate products containing zinc carbonate	No	100.000	Solid - Powder	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Various products containing copper oxide	No	200.000	Solid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Platinum (IV) nitrate solution	No	1.000	Liquid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3) E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Ruthenium nitrosyl nitrate solution	No	1.000	Liquid	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3)
Sodium nitrate	No	110.000	Solid - Powder	P8 - OXIDISING LIQUIDS AND SOLIDS (Oxidising Liquids, Category 1, 2 or 3, or Oxidising Solids, Category 1, 2 or 3)
Palladium nitrate solution	No	1.000	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1
Rhodium nitrate solution	No	0.100	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1

Silver nitrate solution	No	1.000	Liquid	E1 - Hazardous to the Aquatic environment. Category Acute 1 or Chronic 1