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"FORM 1 The Planning (Hazardous Substances) Act 1990 – Section 7(1) The Planning
(Hazardous Substances) Regulations 1992 (Regulations 5)

Lackenby — new inventory

2/11/0212/HD

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The Planning (Hazardous Substances) Act 1990 – Section 7(1)
The Planning (Hazardous Substances) Regulations 1992 (Regulation 5)

General Application for Hazardous Substances Consent

1. Name and Address of Applicant (IN BLOCK CAPITALS)

Sahaviriya Steel Industries UK Ltd.
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London
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Telephone No. +44 20 74296096
Website: www.ssi-steel.co.uk

Name and Address of Agent (IN BLOCK CAPITALS) (if any) to whom correspondence should be sent

Sahaviriya Steel Industries UK Ltd.
Steel House
Redcar
TS10 5QW

Telephone No. 01642 404947
Contact: Mr. D. Mulligan, H.S.E. Manager
E-mail: david.mulligan@ssi-steel.co.uk

2. Address or location of application site together with O.S. grid reference
Application is for 'Lackenby' area of the Teesside site.

OS coordinates
Steelmaking NZ455393, 521754

3. Substance(s) covered by the application

- a) List named substances falling within Part A of Schedule 1 to the 1992 Regulations *(a)* first, then list any substances falling within the categories in Part B of that Schedule; finally list substances falling within the description in Part C.
- b) Substances falling within Parts B or C of Schedule 1 to the 1992 Regulations may be listed under the relevant category or description or named specifically. Where a substance falls within Part A and B list under Part A only; where a substance falls within more than one category in Part B list under the category which has the lowest controlled quantity *(b)*. Where a substance falling within Part A or B also falls within Part C list under the Part which has the lowest controlled quantity.

Table A

<i>Name, or relevant category or description of substance</i>	<i>Part and entry number(c) in Schedule 1 to the 1992 Regulations</i>	<i>Do you have a current PHS consent* in respect of this substance? (Yes/No)</i>	<i>If "yes", state quantity for which consent granted</i>	<i>Maximum quantity proposed to be present in tonnes</i>
Part A Substances				
Oxygen	Part A: 27	No		Steelmaking: 73t (gaseous) Total: 73t
Petroleum products	Part A: 36 Part (c)	No		Steelmaking: 203t Total: 203t
Gas or any mixture of gases (not covered by entry 20) that is flammable in air when held as a gas (Coke Oven Gas)	Part A: 66	Yes	80.6t	Steelmaking: 0.1t Total: 0.1t
LPG	Part A:18	Yes	97.5t	Steelmaking: 50t (liquid) Steelmaking: 12.5t (liquid) Total: 62.5t
Gas or any mixture of gases (not covered by entry 20) that is flammable in air when held as a gas (BOS Gas)	Part A: 66	No		Steelmaking: 3 ducts total 4t
Part B Substances				
Not applicable				
Part C Substances				
Substances used in an industrial chemical process (Calcium Carbide) [Calcium Carbide (Substance S) - can produce Acetylene . Acetylene is a Hazardous Substance (HS) - named in Part A - No 21 - Capable of forming up to 35 Tonnes of Acetylene]	Part C	No		Steelmaking: 86t (of calcium carbide)

*a hazardous substances consent.

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.

- (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:

Table B

<i>Part and entry number in Schedule 1 to the 1992 Regulations</i>	<i>Storage only</i>	<i>Stored and involved in an industrial process</i>
Part A: 27		\
Part A: 36		\
Part A:66		\
Part A: 18		\
Part C		\

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

Table C

<i>Vessel No*</i>	<i>Part and entry number in Schedule to the 1992 Regulations of substance(s) to be stored in vessel</i>	<i>Installed above ground- (Yes/No)</i>	<i>Buried (Yes/No)</i>	<i>Mounded (Yes/No)</i>	<i>Maximum capacity (cubic metres)</i>	<i>Highest vessel design temperature °C</i>	<i>Highest vessel design pressure (bar absolute)</i>
Oxygen Steelmaking Drg A123725, ref 3	Part A:27	Yes – secondary containment n/a	No	No	3.04m ³ in each of 24 vessels	ambient	41
Diesel and gas oil Steelmaking Drg A123725, ref 4	Part A: 36	Yes – full secondary containment provided	No	No	20 vessels. Largest vessel is 50m ³	ambient	ambient
Coke Oven Gas Steelmaking Drg A 123725 ref 5	Part A:66	Yes – secondary containment n/a	No	No	250m ³ in distribution system	ambient	1.60
LPG Steelmaking Liq Drg A123725 ref 1	Part A:18	Yes – secondary containment n/a	No	No	50m ³ bulk storage	ambient	14
LPG Steelmaking Drg A123725 ref 2	Part A:18	Yes – secondary containment n/a	No	No	0.094m ³ bottled	ambient	13
BOS Gas Drg: A123725 Ref 6	Part A: 66	Yes – secondary containment n/a	No	No	15 m ³ in ducting. Only present when blowing steel	Range between 1500°C and 70°C	
Calcium Carbide Drg A123725 ref 7	Part C	Yes – sec containment n/a	No	No	75t in bulk silo, 5t in “day” silo, 6t in transporter system	ambient	1.01 bara in silo, 10 bara when transported between silos.

* identify by reference to substance location plan

– if “Yes”, specify whether or not it will be provided with full secondary containment

- (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:
- (d) 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.

TABLE D

<i>Part and entry number in Schedule 1 to the 1992 Regulations</i>	<i>Description of process(es)</i>	<i>Major items of plant*</i>	<i>Max. quantity (tonnes)</i>	<i>Max. temp. (°C)</i>	<i>Max. pressure (bar absolute)</i>
Oxygen Part A:27	Reduction of molten iron to form steel. Burning and cutting operations.	Gaseous storage vessels	73t	ambient	41
Diesel and Gas Oil Part A: 36	Building heating. Fuel for site vehicles.	Fuel storages	203t	ambient	1.01
Coke Oven Gas Part A: 66	Coke manufacture. Process heating. Steam Generation	Gasholder	0.1t	ambient	1.60
LPG Part A: 18	Heating, burning and cutting	Fixed storage vessel and cylinders.	62.5t	ambient	14
BOS Gas Part A:66	Waste by product, flared to atmosphere, only created during steelmaking process.	Flue system	4t	Between 1500 at the vessel and 70C at the flare stack	1.01
Calcium Carbide Part C	Desulphurisation agent.	Storage silos	86t	ambient	10

* identify by reference to substance location plan

5. Additional Information

- (a) If you have an existing PHS consent(s) as referred to in Table A, enclose a copy of each consent with this application.

(b) Has any application for hazardous substances consent or planning permission relating to the application site been made which has not yet been determined? **YES/NO**

(c) Will any such application be submitted at the same time as this application? **YES/NO**

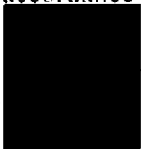
If you have answered "YES" to either of these preceding questions, provide sufficient details to enable the application(s) to be identified.

(d) **Plans.** List the maps or plans or any explanatory scale drawings of plant/buildings submitted with this application.

- Site overview showing exit and entry points
- Drawing no. A – 123725 Lackenby Works

(e) Give any further information which you consider to be relevant to the determination of this application.

I/We hereby apply for hazardous substances consent in accordance with the proposals described in the application

Signed 

on behalf of
(insert applicant's name if signed by agent)

Date 30.03.11

Notes

- (a) The "1992 Regulations" are the Planning (Hazardous Substances) Regulations 1992, as amended by the Planning (Control of Major Accident Hazards) Regulations 1999.
- (b) The "controlled quantity" means the quantity specified for that substance in column 2 of Parts A, B or C of Schedule 1 to the 1992 Regulations.
- (c) For Part C, state the Part only.