

Notice of Modification

Section 75W of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, I approve the modification to DA 767/01 granted by Wollongong City Council subject to the conditions in schedule 2 and 3.



Chris Wilson
Executive Director

Sydney

9 Jun 2010

File No: S06/00631

SCHEDULE 1

Modification Application: 08_0031 MOD 2

Applicant: BlueScope Steel Limited

Approval Authority: Minister for Planning

Land: Port Kembla Steelworks, Part Lot 1, DP 606 434 and Part Lot 1, DP 606430

Proposal: Replacement of boilers 21 & 22 with two new package boilers

For the following: Illawarra Cogeneration Project

DEFINITIONS

1. Replace all references to the Department of Environment and Climate Change (DECC) with the Department of Environment, Climate Change and Water (DECCW).
 2. Insert a reference to 'Package Boilers', defined as 'the Package Boilers replacing existing boilers no.'s 21 & 22 and referred to in modification application 08_0031 MOD 2".
 3. Replace the definition of ICP to read "Illawarra Cogeneration Plant as approved by Wollongong City Council (DA 767/01) and modified by 08_0031 MOD 1 on 15 December 2008".
 4. Insert a reference to ICP Boilers to read the "the three boilers referred to in 08_0031 MOD 1".
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SCHEDULE 2

1. Replace Condition 2 in Schedule 2 with the following:
 2. The Proponent shall carry out the project generally in accordance with the:
 - a) EIS as modified by the EA;
 - b) site plans (See Appendix A);
 - c) statement of commitments (see Appendix B);
 - d) Modification application 08_0031 MOD 2 and supporting document titled *Application for Modification of Wollongong City Council Development Consent DA767/01, Environmental Assessment, prepared by BlueScope Steel, December 2009*; and
 - e) conditions of this consent.
2. Insert Condition 8a. directly after Condition 8 in Schedule 2:
 - 8a. The Applicant shall ensure that Natural Gas is the only fuel consumed by the Package Boilers.

SCHEDULE 3

1. Replace Condition 4 with the following:

Monitoring – ICP Facilities excluding the Package Boilers

4. The Applicant shall prepare and implement a Noise Monitoring Program for the ICP Facilities, excluding the Package Boilers to the satisfaction of the Director-General. The plan must:
- a) be prepared in consultation with DECCW;
 - b) submitted to the Director-General for approval at least 6 months prior to the commencement of commissioning; and
 - c) include:
 - a program to validate the predicted noise emissions of the ICP, which involves carrying out monitoring 3 months prior to commissioning, and 3 months after the completion of commissioning; and
 - a program to monitor the ongoing performance of the ICP.

2. Insert Condition 4a. in Schedule 3 directly after condition 4:

Noise Monitoring- Package Boilers (08_0031 MOD 2)

- 4a. The Applicant shall validate the predicted noise emissions of the Package Boilers, by carrying out noise monitoring within 3 months following the end of commissioning, to determine compliance with the noise limits in Table 2 of this approval. A noise validation report shall be submitted to the satisfaction of the Director-General within 4 months of the end of commissioning.

3. Replace Condition 6 in Schedule 3 with the following:

Emission Limits – ICP Boilers (08_0031 MOD 1).

6. Unless DECCW specifies otherwise, the Applicant shall ensure that the emissions from the stacks of the three ICP boilers do not exceed the emission limits in Table 3.

Table 3: Air emission limits- ICP boilers

Pollutant	Unit of measure	100% limit
Dioxins and Furans	ng/m ³	0.1
Hazardous Substances	mg/m ³	5
Nitrogen dioxide (NO ₂), or nitric oxide (NO), or both (as NO ₂)	mg/m ³	270
Opacity	%	20
Solid Particles	mg/m ³	50

Note: DECC will specify the averaging periods and reference conditions for each pollutant in the EPL.

4. Insert Condition 6a. in Schedule 3 directly after condition 6:

Emission Limits – Package Boilers (08_0031 MOD 2)

- 6a. Unless DECCW specifies otherwise, the Applicant shall ensure that the emissions from Points 1 & 2 stacks serving the Package Boilers do not exceed the emission limit in Table 3a.

Table 3a: Air emission limits – package boilers stacks

Pollutant	Unit of measure	100% limit
Nitrogen dioxide (NO ₂), or nitric oxide (NO), or both (as NO ₂)	mg/m ³	200

Note: DECC will specify the monitoring requirements in the EPL.

5. Insert Condition 6b. in Schedule 3 directly after condition 6a:

Verification Monitoring - Package Boilers (08_0031 MOD 2)

- 6b. The Proponent shall undertake an air quality verification study for the Package Boilers. The study shall:
- be prepared by a suitably qualified expert;
 - be completed within 3 months of commissioning of the boilers or as otherwise agreed to by the Director-General; and
 - include a comparison of monitoring results with the predictions outlined in the modification application 08_0031 MOD 2.

Note: Should the air quality verification study or routine monitoring required by the EPL indicate that emissions from the package boilers exceed the emission limits, the Department may request that BlueScope implement all reasonable and feasible measures to minimise emissions.

6. Replace condition 9 with the following:

Monitoring – ICP Facilities excluding Package Boilers

9. Unless DECC specifies otherwise, the Applicant shall monitor the concentration of each parameter specified in Tables 5 & 6 at the discharge monitoring point on the stacks of the ICP boilers.

Table 5: Source Emissions Monitoring Requirements

Parameter	Units of Measure	Frequency
Coarse Particulates	mg/m ³	Quarterly, post commissioning
Dioxins & Furans	ng/ m ³	Annually, post commissioning
Fine Particulates	mg/m ³	Quarterly, post commissioning
Hazardous Substances	mg/m ³	Quarterly, post commissioning
Hydrogen Chloride (HCl)	mg/m ³	Quarterly, post commissioning
Hydrogen Fluoride (HF)	mg/m ³	Quarterly, post commissioning
Polycyclic Aromatic Hydrocarbons (PAH)	ng/ m ³	Quarterly, post commissioning
Solid Particles	mg/m ³	Quarterly, post commissioning
Sulphuric Acid Mist (H ₂ SO ₄), or Sulphur Trioxide (S ₂ O ₃), or both as SO ₃	mg/m ³	Quarterly, post commissioning
Volatile Organic Compounds	mg/m ³	Quarterly, post commissioning
Dry Gas Density	kg/m ³	Quarterly, post commissioning
Moisture	%	Quarterly, post commissioning
Molecular Weight of Stack Gases	g/g.mole	Quarterly, post commissioning
Oxygen	%	Quarterly, post commissioning
Temperature	K	Quarterly, post commissioning
Velocity	m/s	Quarterly, post commissioning
Volumetric Flow Rate	m ³ /s	Quarterly, post commissioning

Table 6: Continuous Source Emissions Monitoring Requirements

Parameter	Units of Measure	Frequency
Carbon Monoxide	mg/m ³	Continuous
Nitrogen Dioxide (NO ₂), or Nitric Oxide (NO), or both (as NO ₂)	mg/m ³	Continuous
Opacity	%	Continuous
Sulphur Dioxide (SO ₂)	mg/m ³	Continuous
Moisture	%	Continuous
Oxygen	%	Continuous
Temperature	K	Continuous
Volumetric Flow rate	m ³ /s	Continuous

Note: DECCW will specify the sampling methods for this monitoring in the EPL for the development.

7. Replace Existing condition 19 with the following:

Pre-Construction Hazard Studies – ICP facilities excluding Package Boilers

19. Prior to construction of the ICP, the Applicant shall prepare and implement the following studies for the development to the satisfaction of the Director-General:
- (a) a Construction Safety Study that has been prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.7 - Construction Safety Guidelines*;
 - (b) a Fire Safety Study that has been prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.2 - Fire Safety Study Guidelines* and the New South Wales Government's *Best Practice Guidelines for Contaminated Water Retention and Treatment Systems*;
 - (c) a Hazard and Operability Study that has been prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.8 - HAZOP Guidelines*, chaired by an independent qualified person approved by the Director-General (except to the extent that it relates to minor services systems such as compressed air and water), includes a program for the implementation of all recommendations made during the study; and if the Applicant intends to defer the implementation certain recommendations, then provide justification for the proposed deferral; and
 - (d) a Final Hazards Analysis (FHA) prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis*.

Note: The commissioning portion of the Construction Safety Study may be submitted to the Department prior to the commencement of commissioning.

8. Insert condition 19a. in Schedule 3 directly after condition 19:

Pre-construction Hazard Studies Package Boilers (08_0031 MOD 2)

- 19a. Prior to construction of the Package Boilers, the Applicant shall prepare, implement and submit the following studies for the Package Boilers:
- a) a Construction Safety Study that has been prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.7 - Construction Safety Guidelines*; and
 - b) a Hazard and Operability Study that has been prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No.8 - HAZOP Guidelines*.

Note: The commissioning portion of the Construction Safety Study may be submitted to the Department prior to the commencement of commissioning.

SCHEDULE 4

1. After condition 3(c) of Schedule 4, insert the following:
 - d) identify any non-compliance during the previous year;
 - e) describe what actions were, or are being, taken to ensure compliance; and
 - f) include an update on the implementation of the ICP Project.

APPENDIX A

1. Insert the following diagram immediately following Figure 8 in Appendix A.

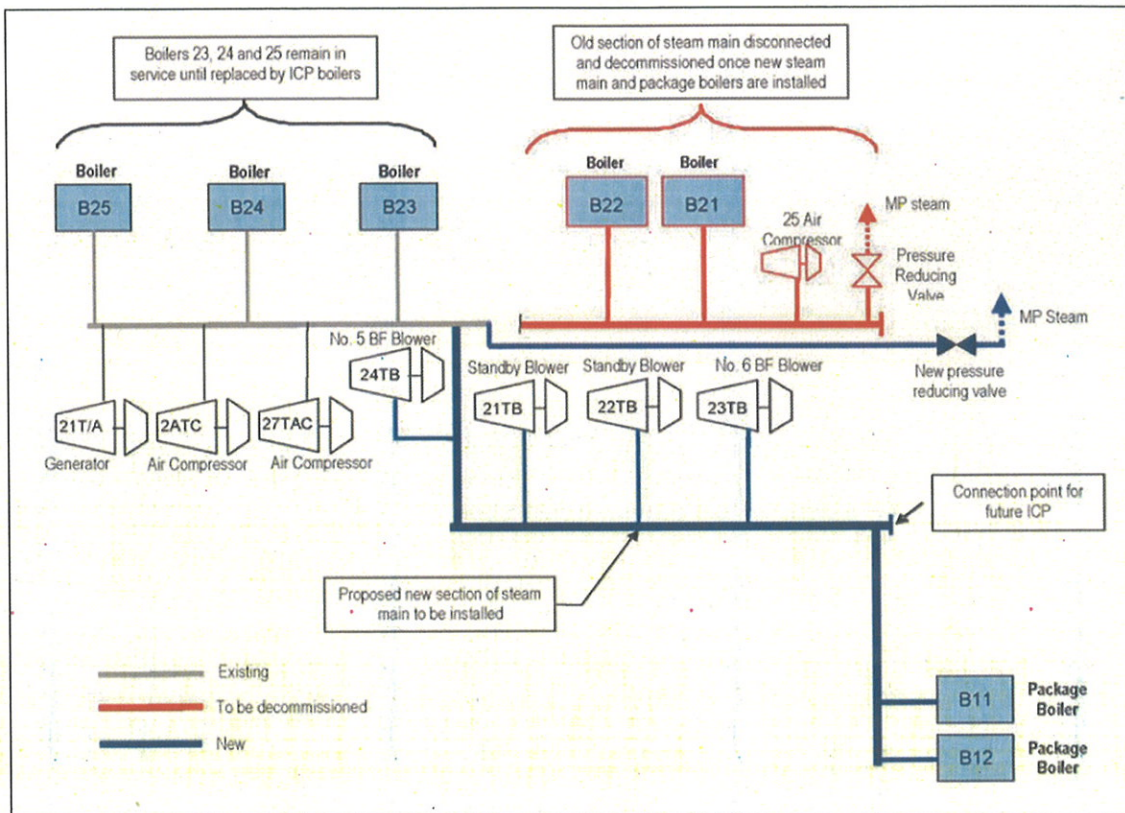


Figure 9: Interim Arrangement of Equipment at No. 2 Blower Station