



DOC21/129143-1

Mr Stephen Richardson  
PO Box 738  
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Email: [steve@cowmanstoddart.com.au](mailto:steve@cowmanstoddart.com.au)

Dear Mr Richardson

**Re: Proposed Modification Application – MP06\_0228 – Supagas CO<sub>2</sub> Plant**

I refer to an email you sent on 23 February 2021 requesting EPA's comments on the proposed modification to MP06\_0228. The modification would allow the existing Supagas CO<sub>2</sub> plant located on Bolong Road and within the Shoalhaven Starches complex to install additional storage vessels to increase CO<sub>2</sub> storage capacity.

The EPA has reviewed the scoping document for the proposed modification. The EPA considers that the scoping document has identified the necessary assessments to be prepared to support the modification application. This includes the preparation of an Air Quality Impact Assessment, a Noise Impact Assessment, and a Preliminary Hazard Analysis. These assessments must be undertaken in accordance with the EPA's appropriate standards and guidelines.

The EPA advises that both the Air Quality Impact Assessment and the Noise Impact Assessment will need to include an assessment of cumulative impacts from the CO<sub>2</sub> plant, Shoalhaven Starches premises, and other surrounding industry. In addition, the Noise Impact Assessment should consider any annoying noise characteristics, including low frequency noise, in accordance with Fact Sheet C of the *Noise Policy for Industry (2017)*.

If you have any questions or wish to discuss, please contact Amanda Fletcher on (02) 6229 7002.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Janine Goodwin', with a long horizontal stroke extending to the right.

05.03.2021

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## Stephen Richardson

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**From:** Development <Development@shoalhaven.nsw.gov.au>  
**Sent:** Tuesday, 27 April 2021 12:39 PM  
**To:** Stephen Richardson  
**Subject:** Shoalhaven Starches Modification 20-23 - COMMENTS FROM SHOALHAVEN CITY COUNCIL

**Importance:** High

Dear Steve,

Please find below comments from Council in response to your email requests dated 23 February 2021 and 3 March 2021 for advice in relation to the preparation of modification applications to the Shoalhaven Starches Expansion Project.

### **Modification 20**

- *Installation of two (2) 150 kL capacity Liquid CO2 storage vessels. Each vessel is 17,200 mm high x 3,800 mm diameter each.*
- *Installation of the above Liquid CO2 storage vessels will require the relocation of a set of existing ambient vaporisers.*
- *Installation of an additional NOx removal bed to accommodate the expected longer running period of the plant. Vessel dimensions are 2,400 mm high x 920 mm diameter.*
- *Interconnecting pipework from the process to the new equipment.*
- *Concrete bases for the above equipment items. This will include piling due to the substandard grade of the existing soil.*

### **Comments:**

#### **Floodplain Engineering Comments/Requirements:**

1. No serious concern in relation to flood. It is noted from the submitted letter (Reference No. 17/49) that according to the WMA report the proposed works do not significantly increase the 1% AEP or PMF flood level on other properties. Flood related development controls (Chapter G9, Shoalhaven Development Control Plan 2014) need to be assessed appropriately.

### **Modification 21**

- *Construct a new gas-fired co-generation plant which will consist of two natural gas turbines that will generate an anticipated power output each of 30 MW, providing a total power to the site of 60 MW, that will replace the approved gas fired and coal fired co-generators and it is anticipated will meet the power requirements for the additional works approved following the original Project Approval.*

### **Comments:**

#### **Development Engineering Comments/Requirements:**