

ANNEXURE 1

Requirements for EA

issued by

**Secretary of the Department of Planning
and Other Government Agencies**

Stephen Richardson

From: Deana.Burn@planning.nsw.gov.au
Sent: Wednesday, 24 August 2016 10:03 AM
To: Stephen Richardson
Cc: Brian Hanley; John Studdert; Tom Geczy; Chris.Ritchie@planning.nsw.gov.au
Subject: RE: Proposed Modification to Shoalhaven Starches Expansion Project, Ethanol Distillery Plant, Bolong Road, Bomaderry

Hi Stephen, Brian

Please find below the Department's SEARs for MOD 10 – Beverage Grade Ethanol. The Department requests that the works associated with the syrup tank (described in Brian's email of 25 July 2016) is included in the modification.

The relevant key issues for assessment include:

- noise;
- flooding and impacts on the integrity of the bank of the Shoalhaven River and Abernathys Creek;
- air quality and odour;
- traffic and access, including impacts on Bolong Road, nearby intersections and the adequacy of internal access roads to service the modified development;
- car parking;
- hazard and risk;
- visual impacts; and
- contamination (including acid sulfate soils).

In addition to the technical assessments, please ensure the EA includes:

- a detailed description of the proposed modification including:
 - a current aerial photo of the site / site layout plan.
 - site location plan identifying nearest residences, watercourses, other industry and any other key features; and
 - need/justification for the proposed development.
 - Details of any changes to production volumes compared with approved volumes.

Please note Shoalhaven City Council advised they are seeking further detailed requirements for the assessment from their traffic, flooding and engineering departments. I will forward any further requirements from Council as soon as I receive them.

Any questions, please give me a call.

Regards,
Deana.

From: Stephen Richardson [mailto:Steve@cowmanstoddart.com.au]
Sent: Friday, 29 July 2016 3:55 PM
To: Chris Ritchie <Chris.Ritchie@planning.nsw.gov.au>; Deana Burn <Deana.Burn@planning.nsw.gov.au>
Cc: Brian Hanley <brian.hanley@manildra.com.au>; John Studdert <John.Studdert@manildra.com.au>; Tom Geczy <tom.geczy@bigpond.com>
Subject: Proposed Modification to Shoalhaven Starches Expansion Project, Ethanol Distillery Plant, Bolong Road, Bomaderry

Dear Chris and Deana,

Shoalhaven Starches Pty Ltd. intend to undertake modifications to the existing Ethanol Distillery Plant at their Bomaderry plant to:

- increase the proportion of 'beverage' grade ethanol that is able to be produced on the site. This modification will enable increased flexibility in terms of the range of types of ethanol produced at the site (i.e. between fuel, industrial and beverage grade ethanol) to meet market demands; and
- to modify the type and location of the Water Balance Syrup Recovery Evaporator that has been previously approved under MOD 2 adjacent to the Ethanol Plant.

Attached to this email is a brief scoping submission that; outlines the proposed modification to the above approved project and issues that such a modified proposal will raise and which should be addressed in any Modification Application. Such is provided to assist the Department in framing any requirements that it may have for this Modification Application submission.

If you require any clarification in connection with this matter please do not hesitate to contact me.

Regards

Stephen Richardson
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Stephen Richardson

From: David Zerafa <david.zerafa@dpi.nsw.gov.au>
Sent: Tuesday, 2 August 2016 1:26 PM
To: Stephen Richardson
Cc: Brian Hanley; John Studdert
Subject: Re: Proposed Modification to Shoalhaven Starches Expansion Project, Ethanol Distillery Plant, Bolong Road, Bomaderry

Hi Stephen,

Apologies for my efficiency but I happened to open up your email soon after you sent it so I just carried on with considering your request.

Thanks for consulting with DPI Water regarding proposed modifications outlined in your email and submission to the Department of Planning and Environment and requesting any comments or requirements for consideration.

DPI Water notes your advice that some of the proposed modifications are to be located within 40 metres of the Shoalhaven River. It is also noted that despite being on waterfront land, the proposed modifications are all contained within the existing development footprint and/or landward of existing infrastructure ie the rail lines. As such, there are no additional encroachments by the proposed modifications towards the Shoalhaven River bank which would be undesirable.

I would expect that any new structures will have suitable foundations down to bedrock but given issues with the stability of the Shoalhaven river bank adjacent the Shoalhaven Starches facility in recent years, I would suggest that that due consideration be given to assessing any impacts of the proposed modifications/infrastructure on the integrity of the Shoalhaven river bank.

At this stage, I can't see any other issues or comments to raise from DPI Water's perspective.

Regards David

David Zerafa
Senior Water Regulation Officer
Department of Primary Industries - Water

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On 2 August 2016 at 09:42, Stephen Richardson <Steve@cowmanstoddart.com.au> wrote:

Dear David,

I refer to previous correspondence between the DPI - Water and our firm in connection with Shoalhaven Starches modifications to its approved development at its Bolong Road, Bomaderry factory site.

Shoalhaven Starches Pty Ltd. now intend to undertake modifications to the existing Ethanol Distillery Plant at their Bomaderry plant to:

- increase the proportion of 'beverage' grade ethanol that is able to be produced on the site. This modification will enable increased flexibility in terms of the range of types of ethanol produced at the site (i.e. between fuel, industrial and beverage grade ethanol) to meet market demands; and
- to modify the type and location of the Water Balance Syrup Recovery Evaporator that has been previously approved under MOD 2 adjacent to the Ethanol Plant.

This project will constitute modifications to the existing Shoalhaven Starches Expansion Project (SSEP) approved by the NSW Minister for Planning (MP06_0228). These proposed modifications will involve the erection of structures and the carrying out of works within 40 metres of the banks of the Shoalhaven River. The purpose of this submission is to consult with DPI - Water having regard to those works associated with the proposal that are situated within proximity of the banks of the Shoalhaven River.

Attached for your information is a copy of the submission which has been submitted to the NSW Department of Planning & Environment seeking the Departments requirements for the preparation of the Environmental Assessment for this modification proposal. This submission provides background information and plans detailing the proposal.

If DPI – Water have any comments or requirements in relation to this matter I would appreciate it if you could supply your comments to our firm as soon as possible.

If you require any further information in relation to this matter please do not hesitate to contact me.

Regards

Stephen Richardson

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Australian Government
Department of Defence
Estate and Infrastructure Group

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Mr Stephen Richardson
Cowman Stoddart Pty Ltd.
PO Box 738
Nowra NSW 2541

Dear Mr Richardson

RE: Shoalhaven Starches – Modification to Shoalhaven Starches Expansion Project

The Department of Defence (Defence) would like to thank Cowman Stoddart Pty Ltd for referring this matter to Defence. Defence understands the applicant, Shoalhaven Starches Pty Ltd, is proposing to undertake further modifications to its approved development at its Bolong Road, Bomaderry factory site which will result in parts of its development exceeding a height of 30 metres.

Defence has assessed the proposed modification with regard to their potential impact on operations at HMAS *Albatross*.

There is an ongoing need to obtain and maintain accurate information about tall structures. The risk posed by a tall structure to aircraft safety can be minimised if information on the tall structure is conveyed to pilots so that they can fly at a safe margin above the structure. Airservices Australia is responsible for recording the location and height of tall structures. The information is held in a central database and relates to the erection, extension or dismantling of tall structures the top of which is:

- a. 30 metres or more above ground level - within 30 kilometres of an aerodrome, or
- b. 45 metres or more above ground level elsewhere.

The proposed modifications will meet the above definition of tall structure. Defence therefore requests the applicant provide Airservices Australia with "as constructed" details. The "as constructed" information can be emailed to Airservices Australia via vod@airservicesaustralia.com.

Should LED obstruction lighting be provided to the proposed modifications, then Defence requests the frequency range of the LED light emitted fall within the range of wavelengths 655 to 930 nanometres, thus being visible to persons using night vision devices.

Defence has no concerns at this time with the proposal subject to the above requests being met.

Should you have any questions regarding this matter my point of contact is Ms Sam Pedram who can be contacted on (02) 6266 8513 or via email at DSRGIDEP.ExecutiveSupport@defence.gov.au

Yours faithfully

A handwritten signature in black ink, appearing to read 'David Harrison', with a stylized flourish at the end.

David Harrison

Acting Director Land Planning & Regulation

15 August 2016

Stephen Richardson

From: Andrew Lissenden <Andrew.Lissenden@shoalhaven.nsw.gov.au>
Sent: Monday, 5 September 2016 9:40 AM
To: Stephen Richardson
Cc: 'Deana.Burn@planning.nsw.gov.au'; Cathy Bern
Subject: Proposed Modification to Shoalhaven Starches Expansion Project relating to the Ethanol Distillery Plant - Preliminary Council Comments

Hi Stephen:

Further to your email dated 2 August 2016 please find below comments/suggested requirements from Council for the preparation of the Environmental Assessment in relation to the above matter. To assist each of the main issues are discussed separately below.

1. Traffic/Access: The application will need to be supported by a Traffic Impact Assessment (TIA) to enable Council to understand how the proposal will operate and assess impacts/additional works that may be required. The TIA should include, but not be limited to, the following:
 - a. Turning path plans for all manoeuvring required in and out of the site (e.g. the container loading and unloading area and any other areas where vehicle movements are expected);
 - b. Vehicle numbers requiring access in and out of the various access point and the impacts that such traffic movements would have on the existing access points (i.e. all changes to vehicle access patterns and volumes need to be detailed and assessed accordingly);
 - c. An assessment of whether such access points to the site will be sufficient to accommodate traffic generated by the modified proposal (e.g. are they currently operating as designed) and any intersection treatment/ up grading of the access point and associated concept designs demonstrating compliance with relevant standards. This including details on any signage required;
 - d. An assessment of available sight distances at the access points to be used;
 - e. An assessment of the available width of the internal service road providing access to the container storage/ loading/unloading area (section that runs parallel to Bolong Road), its ability to allow two-way heavy vehicle movement simultaneously; and
 - f. Council's Traffic Section has advised that the access to the container storage/loading/unloading area was also only accepted on a trial basis by RMS and council, and if safety issues regarding the access could not be resolved then a roundabout at the access was to be considered. This issue should be considered/addressed.
2. Flood: The application will need to be supported by an updated Flood Assessment that details the potential impacts that the proposed works will have on flood waters within the locality, outline proposed mitigation measures, provide an updated flood emergency plan, and will need to provide information to demonstrate that the proposed modifications/new works can withstand the forces of flood waters, debris and buoyancy forces up to the 0.2% AEP flood event.
3. Shoalhaven Water: The application will need to provide a detailed water use analysis which shows current water use (raw and treated) and projected water use following the modification.
4. Stormwater: The application will need to be supported by a concept stormwater plan. This should show/detail how and where the stormwater from the new works will be disposed of/discharged to.
5. Design: The provided design appears to conflict with the approved but not yet constructed car park (60 car spaces required by Mod 3). As such a plan showing the new proposal relative to this approved car parking area should be provided. If there is a conflict this car parking area should be relocated with updated plans being submitted with the modification request.
6. Roads and Maritime Services (RMS): Council has had a brief discussion with RMS where it has been advised that they would like to be consulted as part of the applications assessment process. It is therefore recommended that a discussion be had with RMS prior to the lodgement of the application.

Should you have any further questions in relation to the above please give me a call.

Regards

Andrew Lissenden
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