

From: <greg.paine@industry.nsw.gov.au>
To: <Christine.Chapman@planning.nsw.gov.au>
Date: 11/13/2012 2:44 pm
Subject: Re: Awaba Landfill Expansion Project

Christine,

The text of the DPI response is below.
However I will not be able to get the formal letter signed-off until
Thursday - the sign-off officer is intra-State.

Greg Paine

Tel: 8289 3951

Awaba Landfill Expansion project (MP10_0139)
Response to exhibition of Environmental Assessment

I refer to your letter 11 September 2012 requesting advice from the NSW
Office of Water, a division within the Department of Primary Industries,
in respect to the above matter.

Comment by NSW Office of Water

The Office of Water notes:

- (i) the project site is located on hard rock and slopes down towards
an unnamed watercourse which flows into Lake Macquarie where there are
SEPP 14 wetlands. The broader study area is largely bushland with some
areas of urban development. The primary water user is the environment.
There is minimal use by existing licensed water users.
- (ii) the proposed project has been designed to avoid significant impact
on surface water and groundwater sources.

Further, detailed comment on the proposed project is provided in
Attachment A. These comments note some deficiency in baseline data on
groundwater flows, and recommend a number of conditions should the project
be approved.

For further information please contact details Elizabeth Cala, Planning
and Assessment Coordinator (Newcastle office) on 4904 2533 or at:
elizabeth.cala@water.nsw.gov.au.

Comment by Crown Lands

It is noted that the subject site (Lot 372 DP 723259) is Crown land, and
that there are extensive areas of Crown land adjacent and in the vicinity.

Crown Lands is satisfied that the environmental assessment of the
proposal as a major project is sufficient to address and ensure the Crown
Estate will not be disadvantaged.

The current site is currently reserved under the Crown Lands Act 1989 for
Rubbish Depot (Reserve 170042, notified 18 December 1987 (folio 7073)). It
is managed by Lake Macquarie City Council via the Awaba Waste Management
(R170042) Reserve Trust.

Having regard to Council's long term vision for the project, under its
Waste Strategy Development Project 2010-2011, and the various legislations
to which Lot 372 is subject, Crown Lands considers that for management
purposes it is appropriate that Lot 372 be released from the Crown estate.
As such it is Crown Lands' preference that Lake Macquarie City Council

acquire Lot 372 in DP723259 under the Land Acquisition (Just Terms Compensation) Act 1991 and that a requirement for acquisition be incorporated as a condition in any approval of the application.

For further information please contact Stewart Veitch, Senior Manager Hunter Area (Maitland office) on 4937 9366 or at: stewart.veitch@lands.nsw.gov.au.

Yours sincerely

Phil Anquetil
Executive Director Business Services
Attachment A

Awaba Landfill Expansion project (MP10_0139)
Response to exhibition of Environmental Assessment (EA)
Additional comment by NSW Office of Water

1. Water legislation and licence requirements

The EA correctly identifies the water sharing plan applicable to the proposed project.

The EA correctly describes that any taking of water for water supplies, such as for amenities or wheel wash facilities, must be authorised by a water licence under the relevant water legislation. It is noted that no taking of water for use on site is proposed at this stage.

The existing project includes a number of groundwater monitoring bores for water quality monitoring, and the proposed project includes the installation of additional groundwater monitoring bores for that purpose. These groundwater monitoring bores must be authorised by a Part 5 licence under the Water Act 1912 (WA 1912).

Excavation for the landfill cells and sewer pipeline should also be authorised by a Part 5 licence under the WA 1912. The EA correctly describes that any dewatering of excavations must be authorised by a water licence under the relevant water legislation. Part 5 licences for excavations may also authorise dewatering of the bedrock. Any dewatering of alluvial sediments must be authorised by a water access licence under the Water Management Act 2000.

2. Groundwater levels and flow

The Director General's Requirements provide that the EA must include a description of the existing environment using sufficient baseline data.

Pursuant to this requirement, the EA should include a description of the existing groundwater conditions using sufficient baseline data.

The EA does not include sufficient baseline data on groundwater levels and flow directions at the project site. Information on groundwater levels is limited to observations from test pit and borehole excavations in January 2011, and observations of low water levels in groundwater monitoring bores during water quality sampling. The lack of sufficient baseline data on groundwater levels and flows limits the Office of Water's ability to consider existing groundwater conditions in commenting on the proposed project.

Data on groundwater levels and flow directions is important in understanding the interaction of groundwater underlying the site with the landfill cells, sediment dams and leachate basins, particularly regarding

whether any groundwater level fluctuations are due to natural variation or seepage from those works. This is particularly important given that the soils and rock across the site are identified as being of high permeability in Appendix F to the EA. If the proposed project is approved, baseline data on groundwater levels should be collected from the existing and proposed groundwater monitoring bores prior to construction commencing. Groundwater levels should continue to be monitored during construction and operations.

3. Recommended conditions of approval

If the proposed project is approved, the Office of Water recommends the following conditions:

Water supply:

- The Proponent shall ensure that:
 - o all water supplies for construction and operations are sourced from an authorised and reliable supply,
 - o the taking of water for purposes other than water supply, such as dewatering during construction, is appropriately authorised.

Landfill Environmental Management Plan:

- The Office of Water is to be consulted on the update of the Landfill Environmental Management Plan and its application to the proposed project.

Stormwater Management Plan:

- The Office of Water is to be consulted on the preparation of the Stormwater Management Plan.

Site Water Management Plan:

- The Proponent shall prepare and implement a Site Water Management Plan. This Plan must be developed in consultation with the Office of Water and include:

- i. Site Water Balance,
 - ii. Surface Water Management Plan, and
 - iii. Groundwater Management Plan.
- The Site Water Balance must include details of:
 - i. sources and security of water supply,
 - ii. water use on site, and
 - iii. water management on site.
 - The Surface Water Management Plan must include:
 - i. detailed baseline data on surface water flows and quality,
 - ii. surface water impact assessment criteria, including trigger levels for investigating any potentially adverse surface water impacts,
 - iii. a program to monitor surface water flows and quality, and
 - iv. a protocol for the investigation and mitigation of identified exceedences of the surface water impact assessment criteria.
 - The Groundwater Management Plan must include:
 - i. detailed baseline data on groundwater levels and quality,
 - ii. groundwater impact assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts,
 - iii. a program to monitor groundwater levels and quality, and
 - iv. a protocol for the investigation and mitigation of identified exceedences of the groundwater impact assessment criteria.

End Attachment A

From: "Christine Chapman" <Christine.Chapman@planning.nsw.gov.au>
To: <greg.paine@industry.nsw.gov.au>
Date: 13/11/2012 09:59 AM
Subject: Re: Awaba Landfill Expansion Project

Greg,
Further to our last email, I am still waiting on a submission from DPI/NOW in relation to the above referenced project. The initial referral was made to DPI/NOW the week starting 10 September. Could you please forward me DPI/NOW today if possible.
Thank you

>>> <greg.paine@industry.nsw.gov.au> 11/5/2012 1:53 pm >>>
Hi Christine.

Sorry. I'm still waiting on comment by Crown Lands - the proposal is on Crown land + surrounded by Crown land.

Spoke to them again just now - hopefully I'll have something this afternoon.

Greg Paine
Business Services

Tel: 8289 3951

From: "Christine Chapman" <Christine.Chapman@planning.nsw.gov.au>
To: <greg.paine@industry.nsw.gov.au>
Date: 05/11/2012 11:47 AM
Subject: Awaba Landfill Expansion Project

Good morning Greg,
I understand that DPI has been forwarded a submission from NOW (Elizabeth Cala) regarding the Awaba Landfill Project.
Submissions were due 30 Oct. Apologies for chasing but could you please send through DPI/NOW's submissions so it can be put on the web along with other agencies' submissions.
Thank you

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