2. Energy Requirements and air emission contingency plan for loss of power

The community has raised concerns regarding the capacity of the Botany Industrial Park to cope with the high energy demands of the Groundwater Treatment Plant and the proposed DTD Plant which are both high energy consuming plants. Power outages for the Botany Industrial park are not uncommon; the statement in the scoping report "natural resources like electricity are readily available" is insufficient to address this issue.

In addition the proposal to begin treatment of HCB Car Park Waste in June 2007 will have the treatment extending into peak summer months where demand for energy will be highest. due to residential/commercial air conditioner use. A Contingency plan for air emission control due to loss of power is required to show how this risk will be adequately managed.

3. **Management of the Eastern embankment of the Car Park site**

Details regarding the management of contaminated material outside of the encapsulation which is located in the eastern embankment of the site has not been addressed in the scoping report. Due to the close proximity of this area to the site boundary and Corrish circle the management of dust and emissions from this area is critical.

4. Groundwater remediation

HCB Car Park Waste Groundwater Monitoring Report Round 13 dated 29 May 2006 prepared by URS on behalf of Orica reported sampling in the vicinity of the Car Park waste during April 2006. This report states that HCBD has been detected for the first time in the shallow groundwater at shallow depths within monitoring well 219 which is located on the western footpath at Corrish Circle. This was found at 0.002mg/L which exceeds the Australian Drinking water Guidelines for HCBD 0.0007mg/L.

The EA scoping report does not address how this contaminated groundwater will be remediated and or managed for the longterm. Details regarding this are essential when evaluating the suitability of the proposed remediation strategy for the encapsulation material. If required it should be stated whether an additional remediation/management phase will be required to address groundwater remediation.

5. Disposal of non treatable waste within the encapsulation

The capability of the DTD plant to process and dispose of foreign objects that are reported to be contained within the Car Park Waste and eastern embankment site i.e. metal drums is significantly lacking in the scoping report. This material would need to be appropriately disposed of off site in accordance with DEC guidelines.

Other non organic contaminants within the soil that may not be destroyed by the treatment process including heavy metals should also be addressed in the EA.

6. **Other Concerns**

a. The EA should include details for the validation and certification by an EPA accredited site auditor of the land suitability of the site following remediation. Future development at the site should also be assessed under Part 5 rather than 3A of the EP&A Act 1979.

b. Noticeably absence from the Major project application form is any details of project costs. This raises questions as to the financial viability of the project and ability for Orica to meet these costs. These details are also important in determining applicability of s94 contributions that may be valid due to the increased demand for public amenities and public services resulting from the 25-35 construction and operational jobs created by the project.

c. Impacts on parking availability for the Hensley Athletic Field users and details regarding access to lower car park and provision for flow through traffic on the car park site are significant to the area and should be addressed in the EA.

Council requests that the above matters, in additional to those covered by the scoping report be fully considered in the development and assessment of the Environmental Assessment for the Car Park site remediation project. Should you wish to discuss any of the matters identified in Council's submission please do not hesitate to contact Council's Environmental Scientist Ms Bronwyn Englaro on 9366 3537.

Yours faithfully

Paul Shepherd

Paul Shepherd
DIRECTOR TECHNICAL AND REGULATORY SERVICES

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RECEIVED
14 AUG 2006
Director-General

8 August 2006

Mr Sam Haddad
Director - General
Department of Planning
GPO Box 39
SYDNEY NSW 2001

ATTN: Mr Scott Jeffries

Dear Mr Jeffries,

Orica's proposed remediation of the Car Park Waste Encapsulation (S06/00303)

Thankyou for providing the opportunity to have input in establishing the Director – General's Environmental Assessment requirements for Orica's proposed remediation of the Car Park Waste Encapsulation at the Botany Industrial Park.

Having reviewed the initial Environmental Assessment Scoping Report, Council identifies the following issues as matters of concern that must be addressed by any Environmental Assessment application prepared for the proposed remediation:

- Air quality – contaminated dust and potential emissions being generated as a result of the soil disturbance and thermal oxidiser or organic vapours from bioremediation.
- Human health – identification and risk assessment of the potential impacts on the surrounding community and those using the adjacent athletic field,
- Water contamination – potential impact/ further contamination of storm water and ground water systems,
- Visual impact – size and appearance of the structures associated with the remediation,
- Noise, smell and light pollution – potential impact on the residential properties in the vicinity, and
- Time line – preference for an immediate full remediation, rather than an extended remediation, potentially prolonging any associated environmental and social risks.

Should you have any questions regarding Council's comments, please contact Ross Anthony, Senior Planner, on 9399 0982.

Yours faithfully,

Karen Armstrong
Manager
Strategic Planning

Scott Jeffries

Contact Bob Marr
Our reference : Notice No.1063870
Your ref SO6/00303

Mr Scott Jeffries
Manager Critical Infrastructure and Special Projects
Department of Planning
GPO Box 39
SYDNEY NSW 2001

Dear Mr Jeffries

RE: Orica's Remediation of Car Park Waste Encapsulation (CPWE) Site in the Botany Industrial Park, Botany Bay Local Government Area

I refer to your request dated 25 July 2006 for the Department of Environment and Conservation's (DEC) requirements for the Environmental Assessment (EA) in regard to the above proposal.

The DEC has considered the details of the proposal as provided by the Department of Planning (DoP) and has identified the information required to be included in the EA to assess the project. See Attachment 1. The proponent should ensure that the EA is sufficiently comprehensive and detailed to allow the DEC to determine the extent of the impact(s) of the proposal.

The proponent should be aware that any commitments made in the EA may be formalised as approval conditions. Consequently pollution control measures should not be proposed if they are impractical, unrealistic or beyond the financial viability of the development. It is important that all conclusions are supported by adequate data.

Due to the complexity of this proposal, the DEC recommends that the proponent consults with the DEC during the assessment period.

Based upon the information provided to the DEC, the proponent will need to apply to the Environment Protection Authority (EPA) to vary Environment Protection Licence number 2148 in regard to carrying out scheduled activities. The proponent will need to make a separate application to the EPA to obtain this variation if planning project approval is given.

The DEC requests that the proponent provides 5 copies of the EA for assessment. These documents should be sent to the Manager Sydney Industry PO Box 668 Parramatta 2124. If you have any queries regarding this matter please contact Bob Marr on 9995 6812.

Yours sincerely

14/08/06

JAMES GOODWIN
Unit Head Sydney Industry
Environment Protection and Regulation Division

Metropolitan Branch
PO Box 668, Parramatta NSW 2124
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ATTACHMENT 1: EA REQUIREMENTS FOR

ORICA'S REMEDIATION OF CAR PARK WASTE ENCAPSULATION (CPWE)

Environmental impacts of the project

The following environmental impacts of the project need to be assessed, quantified and reported on:

- Air
- Noise and vibration
- Water
- Waste and chemicals
- Threatened Species and Aboriginal Cultural Heritage

Air Environmental Assessment Requirements

The EA must:

- Identify all sources of air emissions from the development;
  Note: emissions can be classed as either:
  - *point (eg emissions from stack or vent) or*
  - *fugitive (from wind erosion, leakages or spillages, associated with loading or unloading, conveyors, storage facilities, plant and yard operation, vehicle movements (dust from road, exhausts, loss from load), land clearing and construction works).*
- Provide details of the project that are essential for predicting and assessing air impacts including:
  a) the quantities and physio-chemical parameters (eg concentration, moisture content, bulk density, particle sizes etc) of materials to be used, transported, produced or stored;
  b) an outline of procedures for handling, transport, production and storage; and
  c) the management of solid, liquid and gaseous waste streams with potential for significant air impacts.
- Include clear diagrams illustrating;
  1. the physical layout of the plant and pollution control equipment; and
  2. the material and air flows through the plant and any pollution control equipment, including structures or enclosures for controlling air and odour emissions.
- Establish existing background levels of the key air pollutants in the ambient air at potentially affected sensitive receptor locations;