



# SITA Australia

## Lucas Heights Resource Recovery Park Project

### Environmental Impact Statement

#### VOLUME 2 – APPENDICES

October 2015

## SITA Australia is changing brand to SUEZ



# Table of contents

## **VOLUME 2 – APPENDICES**

Appendix A – Secretary's Environmental Assessment Requirements

Appendix B – Consultation material

Appendix C – Landform, settlement, staging and capacity assessment

Appendix D – Traffic, transport and access

Appendix E – Noise assessment



# Appendix A – Secretary’s Environmental Assessment Requirements





Mr Emmanuel Vivant  
SITA Australia Pty Ltd  
PO BOX 3500  
Rhodes Waterside NSW 2138

Dear Mr Vivant

**Lucas Heights Resource Recovery Park  
Expansion Project (SSD-6835)  
Secretary's Environmental Assessment Requirements**

I have attached a copy of the Secretary's Environmental Assessment Requirements (SEARs) for the preparation of an Environmental Impact Statement (EIS) for the Lucas Heights Resource Recovery Park Expansion Project. These requirements have been prepared in consultation with relevant government agencies based on the information you have provided to date. I have also attached a copy of the government authorities' comments for your information. Please note that the Secretary may alter these requirements at any time.

If you do not lodge a DA and EIS for the development within 2 years, you must consult further with the Secretary in relation to the preparation of the EIS.

Prior to exhibiting the EIS that you submit for the development, the Department will review the document in consultation with the relevant agencies to determine if it addresses the requirements in Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*.

I would appreciate it if you would contact the Department at least two weeks before you propose to submit your EIS. This will enable the department to:

- confirm the applicable fee (see Division 1AA, Part 15 of the *Environmental Planning and Assessment Regulation 2000*); and
- determine the number of copies (hard-copy and CD-ROM) of the EIS that will be required for reviewing purposes.

If your development is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). This approval would be in addition to any approvals required under NSW legislation and it is your responsibility to contact the Department of Sustainability, Environment, Water, Population and Communities to determine if an approval under the EPBC Act is required (<http://www.environment.gov.au> or 6274 1111).

Your contact officer, Ashley Cheong, can be contacted on 9228 2052 or at [ashley.cheong@planning.nsw.gov.au](mailto:ashley.cheong@planning.nsw.gov.au). Please mark all correspondence regarding the proposal to the attention of the contact officer.

Yours sincerely

Chris Ritchie 3/2/15  
**Manger**  
**Industry Assessments**  
*as delegate of the Secretary*

## Secretary's Environmental Assessment Requirements

Section 78A(8A) of the *Environmental Planning and Assessment Act*  
Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*

|                             |  |
|-----------------------------|--|
| <b>Application Number</b>   | SSD-6835   |
| <b>Proposal Name</b>        | <p>Expansion of the existing Lucas Heights Resource Recovery Park which includes:</p> <ul style="list-style-type: none"> <li>• re-profiling of the landfill areas to provide up to 8.3 million m<sup>3</sup> of additional landfill capacity;</li> <li>• the relocation and expansion of the existing garden organics facility;</li> <li>• the construction and operation of a fully enclosed resource recovery facility; and</li> <li>• an increase in the total waste that is disposed/processed at the facility from 730,000 tonnes per annum to 1,140,000 tonnes per annum.</li> </ul>   |
| <b>Location</b>             | Intersection of New Illawarra Road and Heathcoate Road (Lot 1 DP 233333, Lot 2 DP 605077, Park Lot 101 DP 10099354, Lot 3 DP 1032102, Lot 111 DP 1050235), Lucas Heights in the Sutherland Shire local government area   |
| <b>Applicant</b>            | SITA Australia Pty Ltd and Sutherland Shire Council  |
| <b>Date of Issue</b>        | February 2015  |
| <b>General Requirements</b> | <p>The Environmental Impact Statement (EIS) must meet the minimum form and content requirements in clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>. The EIS must include:</p> <ul style="list-style-type: none"> <li>• a detailed description of the development including: <ul style="list-style-type: none"> <li>– need for the proposed development;</li> <li>– justification for the proposed development;</li> <li>– likely staging of the development;</li> <li>– likely interactions between the development and existing, approved and proposed developments within the site and in the vicinity; and</li> <li>– plans of any proposed works.</li> </ul> </li> <li>• consideration of all relevant environmental planning instruments, including identification and justification of any inconsistencies with these instruments;</li> <li>• risk assessment of the potential environmental impacts of the development; identifying key issues for further assessment;</li> <li>• detailed assessment, where relevant, of the key issues below, and any other potential significant issues identified in the risk assessment, must include: <ul style="list-style-type: none"> <li>– a description of the existing environment, using adequate baseline data;</li> <li>– consideration of potential cumulative impacts due to other development in the vicinity; and</li> <li>– measures to avoid, minimise and if necessary, offset the predicted impacts, including detailed contingency plans for</li> </ul> </li> </ul> |

|                   |  |
|-------------------|--|
|                   | <p>managing any significant risks to the environment.</p> <ul style="list-style-type: none"> <li>consolidated summary of all the proposed environmental management and monitoring measures, highlighting commitments included in the EIS.</li> </ul> <p>The EIS must also be accompanied by a report from a qualified quantity surveyor providing:</p> <ul style="list-style-type: none"> <li>a detailed calculation of the capital investment value (as defined in clause 3 of the <i>Environmental Planning and Assessment Regulation 2000</i>) of the proposal, including details of all assumptions and components from which the CIV calculation is derived;</li> <li>an estimate of the jobs that will be created during the construction and operational phases of the proposed development; and</li> <li>certification that the information provided is accurate at the date of preparation.</li> </ul>  |
| <b>Key issues</b> | <p>The EIS must address the following specific matters:</p> <ul style="list-style-type: none"> <li><b>Strategic Landuse Planning</b> – including: <ul style="list-style-type: none"> <li>demonstration that the proposal is generally consistent with the aims and objectives of all relevant environmental planning instruments and strategies including, but not limited to, <i>State Environmental Planning Policy (Infrastructure) 2007</i>, <i>Sutherland Shire Local Environment Plan 2006</i>, <i>Waste and Resource Management Strategy 2011-15</i>, <i>NSW Waste Avoidance and Resource Recovery Strategy 2007</i> and relevant Development Control Plans;</li> <li>justification for any inconsistency between the proposed development and these plans;</li> <li>details on the suitability of the site for the proposed development;</li> <li>details of the performance of the existing site operations; and</li> <li>a summary of the planning proposal that is needed to facilitate the development.</li> </ul> </li> <li><b>Waste Management</b> – including: <ul style="list-style-type: none"> <li>a detailed description of the likely waste streams that would be handled/stored/disposed of at the facility;</li> <li>details of how this waste would be stored and handled on site, and transported to and from the site;</li> <li>details of the location and size of stockpiles of unprocessed and processed recycled waste on the site;</li> <li>details of the landfill cell design and integrity in accordance with best practice industry standard guidelines such as the EPA's <i>Guidelines for Solid Waste Landfills</i>;</li> <li>details of the potential impacts associated with treating, storing, using and disposing of this waste and waste products</li> <li>a description of the technology and timeframes for processing waste and the quality control measures that would be implemented; and</li> <li>the measures that would be implemented to ensure that the development is consistent with the aims, objectives and guidance in the <i>NSW Waste Avoidance and Resource Recovery Strategy 2007</i>.</li> </ul> </li> <li><b>Rehabilitation</b> – including: <ul style="list-style-type: none"> <li>a detailed description of how the site would be progressively</li> </ul> </li> </ul> |

|  |   |
|--|---|
|  | <p>rehabilitated, revegetated, and integrated into the surrounding landscape;</p> <ul style="list-style-type: none"> <li>- a detailed description of the final landform and the measures that would be put in place to manage surface water impacts;</li> <li>- a justification for the proposed final landform and use, taking into consideration any relevant strategic land use planning or resource management plans or policies; and</li> <li>- a detailed description of the measures that would be put in place to ensure sufficient resources are available to implement the proposed rehabilitation measures, and the ongoing management of the site following the cessation of landfilling activities.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Transport, Access and Parking</b> – including: <ul style="list-style-type: none"> <li>- details of traffic types and volumes likely to be generated during construction and operation;</li> <li>- details of key transport routes, site access, internal roadways, infrastructure works and parking;</li> <li>- detailed plans of the proposed layout of the internal road network and parking on site in accordance with the relevant Australian standards;</li> <li>- an assessment of the predicted impacts of this traffic on the safety and capacity of the surrounding road network, including consideration of cumulative traffic impacts from other developments, using SIDRA or a similar traffic model; and</li> <li>- a description of the measures that would be implemented to upgrade and/or maintain the surrounding road network over time.</li> </ul> </li> <li>• <b>Air Quality and Odour</b> – including: <ul style="list-style-type: none"> <li>- a description of all potential air emissions and odours and their sources, including construction, operational and transport sources;</li> <li>- a quantitative assessment of all potential air quality impacts and odour impacts for the development, including cumulative, on surrounding land and sensitive receptors under the relevant Environmental Protection Authority guidelines;</li> <li>- details of any pollution control equipment and other impact mitigation measures for fugitive and point source emissions; and</li> <li>- details of the proposed management and monitoring measures.</li> </ul> </li> <li>• <b>Noise and Vibration</b> – including: <ul style="list-style-type: none"> <li>- a description of all potential noise sources, including construction, operational and transport sources;</li> <li>- a quantitative assessment of construction, operational and transport noise and vibration impacts to surrounding receivers from on site and off site activities in accordance with the relevant EPA guidelines; and</li> <li>- details of the proposed management, mitigation and monitoring measures.</li> </ul> </li> <li>• <b>Soil, Water and Leachate</b> – including: <ul style="list-style-type: none"> <li>- a detailed water balance for the development, outlining the measures to minimise water use and any potential for a sustainable water supply;</li> <li>- the proposed erosion and sediment controls during construction and operation;</li> <li>- the proposed stormwater management system, including the</li> </ul> </li> </ul> |
|--|---|

|                            |   |
|----------------------------|---|
|                            | <p>capacity of onsite detention systems, and measures to treat, reuse or dispose of water;</p> <ul style="list-style-type: none"> <li>– the proposed leachate management system including the capacity of the system to treat and dispose of leachate; and</li> <li>– consideration of the potential salinity, contamination, flooding and acid sulfate soil impacts of the development.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Greenhouse Gas</b> – including: <ul style="list-style-type: none"> <li>– a quantitative assessment of the potential scope 1 and 2 greenhouse gas emissions of the development, and a qualitative assessment of the potential impacts of these emissions on the environment; and</li> <li>– a detailed description of the measure that would be implemented on site to ensure that the development is energy efficient.</li> </ul> </li> <li>• <b>Visual</b> – including an assessment of the potential visual impacts of the development on the amenity of the surrounding area.</li> <li>• <b>Flora and Fauna</b> – including: <ul style="list-style-type: none"> <li>– accurate estimates of any vegetation clearing associated with the project;</li> <li>– a detailed assessment of the potential impacts of the project on any threatened species, populations, endangered ecological communities, groundwater dependent ecosystems or their habitats; and</li> <li>– where impacts cannot be avoided, detailed description of the measures that would be implemented to maintain or improve the biodiversity values of the surrounding region in the medium to long term, including proposed biodiversity offset measures and details of the provision and protection of land for conservation purposes.</li> </ul> </li> <li>• <b>Hazards and Risks</b> – including a preliminary risk screening completed in accordance with <i>State Environmental Planning Policy No. 33 – Hazardous and Offensive Development and Applying SEPP 33</i> (DoP, 2011), with a clear indication of class, quantity and location of all dangerous goods and hazardous materials associated with the project. Should preliminary screening indicate that the project is "potentially hazardous," a Preliminary Hazard Analysis (PHA) must be prepared in accordance with <i>Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis</i> (DoP, 2011) and <i>Multi-Level Risk Assessment</i> (DoP, 2011).</li> <li>• <b>Aboriginal Heritage</b> – including tangible and intangible Aboriginal Cultural Heritage Values across the site, and addressing: <ul style="list-style-type: none"> <li>– the <i>Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW 2011</i>;</li> <li>– the <i>Aboriginal Cultural Heritage Consultation requirements for proponents 2010</i>; and</li> <li>– the details of conservation measures and measures to avoid or mitigate impacts.</li> </ul> </li> <li>• <b>Heritage</b> – including heritage items and values of the site and surrounding area, taking into account the <i>NSW Heritage Manual</i> and <i>Assessment Heritage Significance Guidelines</i>.</li> <li>• <b>Voluntary Planning Agreement</b> – the details of any voluntary planning agreement for the proposal.</li> </ul> |
| <b>Plans and Documents</b> | The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of   |

|   |  |
|---|--|
|   | the <i>Environmental Planning and Assessment Regulation 2000</i> . These documents should be included as part of the EIS rather than as separate documents.  |
| <b>Consultation</b>                       | <p>During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>In particular you must consult with:</p> <ul style="list-style-type: none"> <li>• Sutherland Shire Council;</li> <li>• Environment Protection Authority;</li> <li>• Office of Environment and Heritage;</li> <li>• NSW Roads and Maritime Services</li> <li>• Department of Primary Industries; and</li> <li>• Sydney Water.</li> </ul> <p>The EIS must describe the consultation process and the issues raised, and identify where the design of the development has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.</p> |
| <b>Further consultation after 2 years</b> | If you do not lodge an EIS for the development within 2 years of the issue date of these DGRs, you must consult with the Director General in relation to the requirements for lodgement.   |
| <b>References</b>                         | The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this development.   |

## **ATTACHMENT 1**

### **Technical and Policy Guidelines**

The following guidelines may assist in the preparation of the Environmental Impact Statement. This list is not exhaustive and not all of these guidelines may be relevant to your proposal.

Many of these documents can be found on the following websites:

<http://www.planning.nsw.gov.au>  
<http://www.bookshop.nsw.gov.au>  
<http://www.publications.gov.au>  
<http://www.blacktown.nsw.gov.au>

## **Policies, Guidelines and Plans**

| <b>Aspect</b>              | <b>Policy /Methodology</b>  |
|----------------------------|---|
| <b>Waste</b>               | Waste Avoidance and Resource Recovery Strategy 2007 (DECC)<br>Waste Classification Guidelines (DECC)<br>Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (NSW EPA)<br>Environmental guidelines: Composting and Related Organics Processing Facilities (DEC)<br>Environmental guidelines: Use and Disposal of Biosolid Products (NSW EPA)<br>Composts, soil conditioners and mulches (Standards Australia, AS 4454) |
| <b>Transport</b>           | Guide to Traffic Generating Development (RTA)<br>Road Design Guide (RTA)  |
| <b>Air Quality</b>         | Protection of the Environment Operations (Clean Air) Regulation 2010<br>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)<br>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)<br>Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)<br>Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)                               |
| <b>Odour</b>               | Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC)<br>Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)  |
| <b>Noise and Vibration</b> | NSW Industrial Noise Policy (DECC)<br>Interim Construction Noise Guideline (DECC)<br>Environmental Noise Management – Assessing Vibration: a technical guide (DEC)<br>Environmental Criteria for Road Traffic Noise (NSW EPA)<br>Environmental Noise Control Manual (DECC)<br>DIN 4150 Part 3 – Structural Vibration: effects of vibration on structures (ISO, 1999)  |

**Soil and Water***Soil*

Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC)

National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC)

Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)

State Environmental Planning Policy No. 55 – Remediation of Land

Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)

Contaminated Sites: Sampling Design Guidelines (NSW EPA)

Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites (NSW EPA)

*Surface Water*

National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ)

National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)

National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)

National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)

National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)

Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)

State Water Management Outcomes Plan

NSW Government Water Quality and River Flow Environmental Objectives (DECC)

Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)

Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment

Managing Urban Stormwater: Soils & Construction (Landcom)

Managing Urban Stormwater: Treatment Techniques (DECC)

Managing Urban Stormwater: Source Control (DECC)

Technical Guidelines: Bunding & Spill Management (DECC)

Floodplain Development Manual (DIPNR)

Floodplain Risk Management Guideline (DECC)

A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)

Technical Guidelines: Bunding & Spill Management (DECC)

Environmental Guidelines: Use of Effluent by Irrigation (DECC)

*Groundwater*

National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)

NSW State Groundwater Policy Framework Document (DLWC)

NSW State Groundwater Quality Protection Policy (DLWC)

NSW State Groundwater Quantity Management Policy (DLWC) Draft Guidelines for the Assessment and Management of Groundwater Contamination (DECC)

*Acid Sulfate Soils*

Acid Sulfate Soil Manual (ASSMAC)

|                             |  |
|-----------------------------|--|
| <i>Erosion and Sediment</i> | Managing Urban Stormwater: Soils & Construction (Landcom)  |
|                             | Design Manual for Soil Conservation Works - Technical Handbook No. 5 (Soil Conservation Service of NSW)  |
|                             | Soil and Landscape Issues in Environmental Impact Assessment (DLWC)  |
|                             | Wind Erosion - 2nd Edition (DIPNR)   |
|                             | National Water Quality Management Strategy: Guidelines for Sewerage Systems - Effluent Management (ARMCANZ/ANZECC)                                 |
| <i>Wastewater</i>           | National Water Quality Management Strategy: Guidelines for Sewerage Systems - Use of Reclaimed Water (ARMCANZ/ANZECC)                              |
|                             | National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMMC & AHMC) |
|                             | National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) (EPHC, NRMMC & AHMC) |
| <b>Greenhouse Gas</b>       |  |
|                             | AGO Factors and Methods Workbook (AGO)   |
|                             | Guidelines for Energy Savings Action Plans (DEUS, 2005)  |
| <b>Visual</b>               |  |
|                             | Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)  |
|                             | State Environmental Planning Policy No 64 - Advertising and Signage  |
| <b>Hazard and Risk</b>      |  |
|                             | AS/NZS 4360:2004 Risk Management   |
|                             | HB 203:2006 Environmental Risk Management – Principals and Process   |
|                             | State Environmental Planning Policy No 33 – Hazardous and Offensive Development (SEPP 33)  |
|                             | Planning Advisory Paper No. 6 – Guidelines for Hazardous Analysis (DUAP)   |
|                             | Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning (DUAP)  |

**ATTACHMENT 2**  
**Public Authority Responses to Request for Key Issues**

---



Office of  
Environment  
& Heritage

Your reference: SSD 6835  
Our reference: DOC14/304507  
Contact: Marnie Stewart  
9995 6868

Ashley Cheong  
Planning Officer  
Industry, Key Sites and Social Projects  
NSW Department of Planning & Environment  
GPO Box 39  
SYDNEY NSW 2001

Dear Mr Cheong

I refer to your letter of 4 December 2014 seeking input from the Office of Environment and Heritage (OEH) to the Secretary's environmental assessment requirements (SEARs) for the Lucas Heights Resource Recovery Park Project (SSD-6835).

OEH has reviewed the relevant documents and provides recommendations for the SEARs for the project environmental impact statement (EIS) in relation to Aboriginal cultural heritage and biodiversity in Attachment 1.

If you have any queries regarding this matter please contact Marnie Stewart, Senior Operations Officer, on 9995 6868.

Yours sincerely

S. Harrison 18/12/14

SUSAN HARRISON  
Senior Team Leader, Planning  
Greater Sydney  
Regional Operations

Attachment 1: OEH recommended SEARs for the Lucas Heights Resource Recovery Park Project (SSD 6835)

1. Aboriginal cultural heritage

OEH notes that the applicant proposes to undertake a Due Diligence assessment of Aboriginal heritage for the EIS. The Department is advised that a Due Diligence assessment is not an Aboriginal cultural heritage assessment. Due Diligence provides a legal defence against prosecution if unanticipated Aboriginal objects are harmed as a result of development works. It is important to note that Due Diligence does not provide the information necessary to inform the EIS.

Therefore, OEH's requirements for Aboriginal cultural heritage are as follows:

- 1.1. The EIS must identify and describe the tangible and intangible Aboriginal cultural heritage values that exist across the whole area that will be affected by the project and document these in the EIS. This may include the need for surface survey and test excavation. The identification of cultural heritage values should be guided by the Guide to Investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011).
- 1.2. Where Aboriginal cultural heritage values are identified, consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the EIS.
- 1.3. Impacts on Aboriginal cultural heritage values are to be assessed and documented in the EIS. The EIS must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH.

2. Biodiversity

OEH's biodiversity requirements for the SEARs are as follows:

- 2.1. Biodiversity impacts related to the proposed project are to be assessed and documented in accordance with the Framework for Biodiversity Assessment by a person accredited in accordance with s142B(1)(c) of the Threatened Species Conservation Act 1995.
- 2.2. Impacts on the following species, populations and ecological communities will require further consideration and provision of the information specified in s9.2 of the Framework for Biodiversity Assessment:

| Threatened Ecological Communities   |
|---|
| Shale Sandstone Transition Forest   |
| Endangered Populations  |
| <i>Allocastraria diminuta</i> subsp. <i>mimica</i> L.A.S. Johnson population in the Sutherland and Liverpool local government areas |
| <i>Prostanthera saxicola</i> population in Sutherland and Liverpool local government areas  |



NSW Department of Planning and Environment  
GPO Box 39

SUTHERLAND SHIRE COUNCIL  
Trading as SUTHERLAND SHIRE COUNCIL  
ABN 52 018 204 808

SYDNEY NSW 2001

Attention: Ashley Cheong

Notice Number 1527418  
File Number  
Date 18-Dec-2014

**RE: Lucas Heights Resource Recovery Park Project (SSD-6835)**

I refer to your request for the Environment Protection Authority's (EPA) requirements for the environmental assessment (EA) in regard to the above proposal received by EPA on 4 December 2014.

The proposal involves the expansion of the existing Lucas Heights Resource Recovery Park which includes:

- re-profiling of the landfill areas to provide up to 8.3 million m<sup>3</sup> of additional landfill capacity;
- the relocation and expansion of the existing garden organics facility;
- the construction and operation of a fully enclosed resource recovery facility; and
- an increase in the total waste that is disposed/processed at the facility from 730,000 tonnes per annum to 1,140,000 tonnes per annum.

The EPA has considered the details of the proposal as provided by NSW Department of Planning and Environment and has identified the information it requires to issue its general terms of approval in Attachment A. In addition to Attachments A & B, the EPA would like to bring to the proponent's attention the following points to be addressed:

1. The Proponent should provide details about the new pollution controls, including biofilters an/or stacks etc, for the AART plant. The EIS should contain an assessment of the proposed pollution controls to determine whether they will effectively mitigate odour from the site.
2. All outdoor storage of organic materials, processed or unprocessed, must be clearly identified in the EIS with the type, their respective volumes and locations detailed on a site map. These outdoor stored materials must be included in the odour modelling.



3. Detailed information about the new facility buildings and compost storage building including the number of access points; details about the doors to be used at those access points; and how dust and odour from these buildings will be managed.
4. Odour modelling should consider the *cumulative* impacts from the existing operations, existing landfill and the proposed activities to ensure potential impacts on the local community are adequately determined.
5. Contingency plans for how odours will be managed should the proposed outdoor storage of final AART product and/or GO compost cause odour issues.
6. assessment of the storm water controls for the landfill and whether the proposed storage capacity is adequate for the proposed additional waste.
7. assessment of the proposed gas capture systems effectiveness to address odour emissions (in addition to electricity generation) from the proposed expansion to the landfill.

In carrying out the assessment, the proponent should refer to the relevant guidelines as listed in Attachment B and any relevant industry codes of practice and best practice management guidelines.

Please note that this response does not cover biodiversity or Aboriginal cultural heritage issues, which are the responsibility of the Office of Environment and Heritage.

The Proponent should be made aware that any commitments made in the EA may be formalised as approval conditions and may also be placed as formal licence conditions.

The Proponent should be made aware that, consistent with provisions under Part 9.4 of the *Protection of the Environment Operations Act 1997* ("the Act") the EPA may require the provision of a financial assurance and/or assurances. The amount and form of the assurance(s) would be determined by the EPA and required as a condition of an Environment Protection Licence ("EPL").

In addition, as a requirement of an EPL, the EPA will require the Proponent to prepare, test and implement a Pollution Incident Response Management Plan and/or Plans in accordance with Section 153A of the Act.

Yours sincerely

Trevor Wilson  
Acting Unit Head  
Waste & Resources - Waste Management  
(by Delegation)

## ATTACHMENT A: EIS REQUIREMENTS FOR

### Lucas Heights Resource Recovery Park Project (SSD-6835)

The proposal involves the expansion of the existing Lucas Heights Resource Recovery Park which includes:

- re-profiling of the landfill areas to provide up to 8.3 million m<sup>3</sup> of additional landfill capacity;
- the relocation and expansion of the existing garden organics facility;
- the construction and operation of a fully enclosed resource recovery facility; and
- an increase in the total waste that is disposed/processed at the facility from 730,000 tonnes per annum to 1,140,000 tonnes per annum.

#### How to use these requirements

The EPA requirements have been structured in accordance with the DPE's EIS Guidelines, as follows. It is suggested that the EIS follow the same structure:

- Executive summary
- The proposal
- The location
- Identification and prioritisation of issues
- The environmental issues
- List of approvals and licences
- Compilation of mitigation measures
- Justification for the proposal

## A Executive summary

The executive summary should include a brief discussion of the extent to which the proposal achieves identified environmental outcomes.

## B The proposal

### 1. Objectives of the proposal

- The objectives of the proposal should be clearly stated and refer to:
  - the size and type of the operation, the nature of the processes and the products, by-products and wastes produced
  - a life cycle approach to the production, use or disposal of products
  - the anticipated level of performance in meeting required environmental standards and cleaner production principles
  - the staging and timing of the proposal and any plans for future expansion
  - the proposal's relationship to any other industry or facility.

### 2. Description of the proposal

#### General

- Outline the production process including:
  - the environmental "mass balance" for the process – quantify in-flow and out-flow of materials, any points of discharge to the environment and their respective destinations (sewer, stormwater, atmosphere, recycling, landfill etc)
  - any life-cycle strategies for the products.
- Outline cleaner production actions, including:
  - measures to minimise waste (typically through addressing source reduction)
  - proposals for use or recycling of by-products
  - proposed disposal methods for solid and liquid waste
  - air management systems including all potential sources of air emissions, proposals to re-use or treat emissions, emission levels relative to relevant standards in regulations, discharge points
  - water management system including all potential sources of water pollution, proposals for re-use, treatment etc, emission levels of any wastewater discharged, discharge points, summary of options explored to avoid a discharge, reduce its frequency or reduce its impacts, and rationale for selection of option to discharge.
  - soil contamination treatment and prevention systems.
- Outline construction works including:
  - actions to address any existing soil contamination
  - any earthworks or site clearing; re-use and disposal of cleared material (including use of spoil on-site)

- c) construction timetable and staging; hours of construction; proposed construction methods
- d) environment protection measures, including noise mitigation measures, dust control measures and erosion and sediment control measures.

#### Air

- 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
  - c) the management of solid, liquid and gaseous waste streams with potential for significant air impacts.

#### Noise and vibration

- Identify all noise sources from the development (including both construction and operation phases). Detail all potentially noisy activities including ancillary activities such as transport of goods and raw materials.
- Specify the times of operation for all phases of the development and for all noise producing activities.
- For projects with a significant potential traffic noise impact provide details of road alignment (include gradients, road surface, topography, bridges, culverts etc), and land use along the proposed road and measurement locations – diagrams should be to a scale sufficient to delineate individual residential blocks.

#### Water

- Provide details of the project that are essential for predicting and assessing impacts to waters:
  - a) including the quantity and physio-chemical properties of all potential water pollutants and the risks they pose to the environment and human health, including the risks they pose to Water Quality Objectives in the ambient waters (as defined on <http://www.environment.nsw.gov.au/ieo/index.htm>, using technical criteria derived from the Australian and New Zealand Guidelines for Fresh and Marine Water Quality, ANZECC 2000)
  - b) the management of discharges with potential for water impacts
  - c) drainage works and associated infrastructure; land-forming and excavations; working capacity of structures; and water resource requirements of the proposal.
- Outline site layout, demonstrating efforts to avoid proximity to water resources (especially for activities with significant potential impacts eg effluent ponds) and showing potential areas of modification of contours, drainage etc.

- Outline how total water cycle considerations are to be addressed showing total water balances for the development (with the objective of minimising demands and impacts on water resources). Include water requirements (quantity, quality and source(s)) and proposed storm and wastewater disposal, including type, volumes, proposed treatment and management methods and re-use options.

#### Waste and chemicals

- Provide details of the quantity and type of both liquid waste and non-liquid waste generated, handled, processed or disposed of at the premises. Waste must be classified according to the *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-liquid Wastes* (NSW EPA, 1999).
- Provide details of liquid waste and non-liquid waste management at the facility, including:
  - a) the transportation, assessment and handling of waste arriving at or generated at the site
  - b) any stockpiling of wastes or recovered materials at the site
  - c) any waste processing related to the facility, including reuse, recycling, reprocessing (including composting) or treatment both on- and off-site
  - d) the method for disposing of all wastes or recovered materials at the facility
  - e) the emissions arising from the handling, storage, processing and reprocessing of waste at the facility
  - f) the proposed controls for managing the environmental impacts of these activities.
- Provide details of spoil disposal with particular attention to:
  - a) the quantity of spoil material likely to be generated
  - b) proposed strategies for the handling, stockpiling, reuse/recycling and disposal of spoil
  - c) the need to maximise reuse of spoil material in the construction industry
  - d) identification of the history of spoil material and whether there is any likelihood of contaminated material, and if so, measures for the management of any contaminated material
  - e) designation of transportation routes for transport of spoil.
- Provide details of procedures for the assessment, handling, storage, transport and disposal of all hazardous and dangerous materials used, stored, processed or disposed of at the site, in addition to the requirements for liquid and non-liquid wastes.
- Provide details of the type and quantity of any chemical substances to be used or stored and describe arrangements for their safe use and storage.
- Reference should be made to the guidelines: *Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes* (NSW EPA, 1999).

#### ESD

- Demonstrate that the planning process and any subsequent development incorporates objectives and mechanisms for achieving ESD, including:
  - an assessment of a range of options available for use of the resource, including the benefits of each option to future generations
  - proper valuation and pricing of environmental resources
  - f) identification of who will bear the environmental costs of the proposal.

### 3. Rehabilitation

- Outline considerations of site maintenance, and proposed plans for the final condition of the site (ensuring its suitability for future uses).

### 4. Consideration of alternatives and justification for the proposal

- Consider the environmental consequences of adopting alternatives, including alternative:
  - a) sites and site layouts
  - b) access modes and routes
  - c) materials handling and production processes
  - d) waste and water management
  - e) impact mitigation measures
  - f) energy sources
- Selection of the preferred option should be justified in terms of:
  - a) ability to satisfy the objectives of the proposal
  - b) relative environmental and other costs of each alternative
  - c) acceptability of environmental impacts and contribution to identified environmental objectives
  - d) acceptability of any environmental risks or uncertainties
  - e) reliability of proposed environmental impact mitigation measures
  - f) efficient use (including maximising re-use) of land, raw materials, energy and other resources.

## C The location

### 1. General

- Provide an overview of the affected environment to place the proposal in its local and regional environmental context including:
  - a) meteorological data (eg rainfall, temperature and evaporation, wind speed and direction)
  - b) topography (landform element, slope type, gradient and length)
  - c) surrounding land uses (potential synergies and conflicts)
  - d) geomorphology (rates of landform change and current erosion and deposition processes)
  - e) soil types and properties (including erodibility; engineering and structural properties; dispersibility; permeability; presence of acid sulfate soils and potential acid sulfate soils)
  - f) ecological information (water system habitat, vegetation, fauna)
  - g) availability of services and the accessibility of the site for passenger and freight transport.

### 2. Air

- Describe the topography and surrounding land uses. Provide details of the exact locations of dwellings, schools and hospitals. Where appropriate provide a perspective view of the study area such as the terrain file used in dispersion models.
- Describe surrounding buildings that may effect plume dispersion.
- Provide and analyse site representative data on following meteorological parameters:
  - a) temperature and humidity
  - b) rainfall, evaporation and cloud cover
  - c) wind speed and direction
  - d) atmospheric stability class
  - e) mixing height (the height that emissions will be ultimately mixed in the atmosphere)
  - f) katabatic air drainage
  - g) air re-circulation.

### 3. Noise and vibration

- Identify any noise sensitive locations likely to be affected by activities at the site, such as residential properties, schools, churches, and hospitals. Typically the location of any noise sensitive locations in relation to the site should be included on a map of the locality.
- Identify the land use zoning of the site and the immediate vicinity and the potentially affected areas.

#### 4. Water

- Describe the catchment including proximity of the development to any waterways and provide an assessment of their sensitivity/significance from a public health, ecological and/or economic perspective. The Water Quality and River Flow Objectives on the website: <http://www.environment.nsw.gov.au/ieo/index.htm> should be used to identify the agreed environmental values and human uses for any affected waterways. This will help with the description of the local and regional area.

#### 5. Soil Contamination Issues

- Provide details of site history – if earthworks are proposed, this needs to be considered with regard to possible soil contamination, for example if the site was previously a landfill site or if irrigation of effluent has occurred.

### D Identification and prioritisation of issues / scoping of impact assessment

- Provide an overview of the methodology used to identify and prioritise issues. The methodology should take into account:
  - relevant NSW government guidelines
  - industry guidelines
  - EISs for similar projects
  - relevant research and reference material
  - relevant preliminary studies or reports for the proposal
  - consultation with stakeholders.
- Provide a summary of the outcomes of the process including:
  - all issues identified including local, regional and global impacts (eg increased/ decreased greenhouse emissions)
  - key issues which will require a full analysis (including comprehensive baseline assessment)
  - issues not needing full analysis though they may be addressed in the mitigation strategy
  - justification for the level of analysis proposed (the capacity of the proposal to give rise to high concentrations of pollution compared with the ambient environment or environmental outcomes is an important factor in setting the level of assessment).

### E The environmental issues

#### 1. General

- The potential impacts identified in the scoping study need to be assessed to determine their significance, particularly in terms of achieving environmental outcomes, and minimising environmental pollution.
- Identify gaps in information and data relevant to significant impacts of the proposal and any actions proposed to fill those information gaps so as to enable development of appropriate management and mitigation measures. This is in accordance with ESD requirements.

*Note: The level of detail should match the level of importance of the issue in decision making which is dependent on the environmental risk.*

#### Describe baseline conditions

- Provide a description of existing environmental conditions for any potential impacts.

#### Assess impacts

- For any potential impacts relevant for the assessment of the proposal provide a detailed analysis of the impacts of the proposal on the environment including the cumulative impact of the proposal on the receiving environment especially where there are sensitive receivers.
- Describe the methodology used and assumptions made in undertaking this analysis (including any modelling or monitoring undertaken) and indicate the level of confidence in the predicted outcomes and the resilience of the environment to cope with the predicted impacts.
- The analysis should also make linkages between different areas of assessment where necessary to enable a full assessment of environmental impacts eg assessment of impacts on air quality will often need to draw on the analysis of traffic, health, social, soil and/or ecological systems impacts; etc.
- The assessment needs to consider impacts at all phases of the project cycle including: exploration (if relevant or significant), construction, routine operation, start-up operations, upset operations and decommissioning if relevant.
- The level of assessment should be commensurate with the risk to the environment.

#### Describe management and mitigation measures

- Describe any mitigation measures and management options proposed to prevent, control, abate or mitigate identified environmental impacts associated with the proposal and to reduce risks to human health and prevent the degradation of the environment. This should include an assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented.
- Proponents are expected to implement a 'reasonable level of performance' to minimise environmental impacts. The proponent must indicate how the proposal meets reasonable levels of performance. For example, reference technology based criteria if available, or identify good practice for this type of



activity or development. A 'reasonable level of performance' involves adopting and implementing technology and management practices to achieve certain pollutant emissions levels in economically viable operations. Technology-based criteria evolve gradually over time as technologies and practices change.

- Use environmental impacts as key criteria in selecting between alternative sites, designs and technologies, and to avoid options having the highest environmental impacts.
- Outline any proposed approach (such as an Environmental Management Plan) that will demonstrate how commitments made in the EIS will be implemented. Areas that should be described include:
  - a) operational procedures to manage environmental impacts
  - b) monitoring procedures
  - c) training programs
  - d) community consultation
  - e) complaint mechanisms including site contacts
  - f) strategies to use monitoring information to improve performance
  - g) strategies to achieve acceptable environmental impacts and to respond in event of exceedences.

#### 4. Air

##### *Describe baseline conditions*

- Provide a description of existing air quality and meteorology, using existing information and site representative ambient monitoring data.

##### *Assess impacts*

- Identify all pollutants of concern and estimate emissions by quantity (and size for particles), source and discharge point.
- Estimate the resulting ground level concentrations of all pollutants. Where necessary (eg potentially significant impacts and complex terrain effects), use an appropriate dispersion model to estimate ambient pollutant concentrations. Discuss choice of model and parameters with the DECCW.
- Describe the effects and significance of pollutant concentration on the environment, human health, amenity and regional ambient air quality standards or goals.
- Describe the contribution that the development will make to regional and global pollution, particularly in sensitive locations.
- For potentially odorous emissions provide the emission rates in terms of odour units (determined by techniques compatible with EPA / DECCW procedures). Use sampling and analysis techniques for individual or complex odours and for point or diffuse sources, as appropriate.

*Note: With dust and odour, it may be possible to use data from existing similar activities to generate emission rates.*

- Reference should be made to *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW* (DEC, 2001); *Approved Methods for the Sampling and Analysis of Air Pollutants in NSW* (DEC, 2007); *Assessment and Management of Odour from Stationary Sources in NSW* (DEC, 2006); *Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW* (DEC,



2006); *Load Calculation Protocol for use by holders of NSW Environment Protection Licences when calculating Assessable Pollutant Loads* (DECC, 2009).

##### *Describe management and mitigation measures*

- Outline specifications of pollution control equipment (including manufacturer's performance guarantees where available) and management protocols for both point and fugitive emissions. Where possible, this should include cleaner production processes.

#### 5. Noise and vibration

##### *Describe baseline conditions*

- Determine the existing background (LA90) and ambient (LAeq) noise levels in accordance with the *NSW Industrial Noise Policy*.
- Determine the existing road traffic noise levels in accordance with the *NSW Environmental Criteria for Road Traffic Noise*, where road traffic noise impacts may occur.
- The noise impact assessment report should provide details of all monitoring of existing ambient noise levels including:
  - a) details of equipment used for the measurements
  - b) a brief description of where the equipment was positioned
  - c) a statement justifying the choice of monitoring site, including the procedure used to choose the site, having regards to the definition of 'noise sensitive locations(s)' and 'most affected locations(s)' described in Section 3.1.2 of the *NSW Industrial Noise Policy*
  - d) details of the exact location of the monitoring site and a description of land uses in surrounding areas
  - e) a description of the dominant and background noise sources at the site
  - f) day, evening and night assessment background levels for each day of the monitoring period
  - g) the final Rating Background Level (RBL) value
  - h) graphs of the measured noise levels for each day should be provided
  - i) a record of periods of affected data (due to adverse weather and extraneous noise), methods used to exclude invalid data and a statement indicating the need for any re-monitoring under Step 1 in Section B1.3 of the *NSW Industrial Noise Policy*
  - j) determination of LAeq noise levels from existing industry.

##### *Assess impacts*

- Determine the project specific noise levels for the site. For each identified potentially affected receiver, this should include:
  - a) determination of the intrusive criterion for each identified potentially affected receiver
  - b) selection and justification of the appropriate amenity category for each identified potentially affected receiver



- c) determination of the amenity criterion for each receiver
- d) determination of the appropriate sleep disturbance limit.
- Maximum noise levels during night-time period (10pm-7am) should be assessed to analyse possible effects on sleep. Where LA1(1min) noise levels from the site are less than 15 dB above the background LA90 noise level, sleep disturbance impacts are unlikely. Where this is not the case, further analysis is required. Additional guidance is provided in Appendix B of the *NSW Environmental Criteria for Road Traffic Noise*.
- Determine expected noise level and noise character (eg tonality, impulsiveness, vibration, etc) likely to be generated from noise sources during:
  - a) site establishment
  - b) construction
  - c) operational phases
  - d) transport including traffic noise generated by the proposal
  - e) other services.

*Note: The noise impact assessment report should include noise source data for each source in 1/1 or 1/3 octave band frequencies including methods for references used to determine noise source levels. Noise source levels and characteristics can be sourced from direct measurement of similar activities or from literature (if full references are provided).*

- Determine the noise levels likely to be received at the most sensitive locations (these may vary for different activities at each phase of the development). Potential impacts should be determined for any identified significant adverse meteorological conditions. Predicted noise levels under calm conditions may also aid in quantifying the extent of impact where this is not the most adverse condition.
- The noise impact assessment report should include:
  - a) a plan showing the assumed location of each noise source for each prediction scenario
  - b) a list of the number and type of noise sources used in each prediction scenario to simulate all potential significant operating conditions on the site
  - c) any assumptions made in the predictions in terms of source heights, directivity effects, shielding from topography, buildings or barriers, etc
  - d) methods used to predict noise impacts including identification of any noise models used. Where modelling approaches other than the use of the ENM or SoundPlan computer models are adopted, the approach should be appropriately justified and validated
  - e) an assessment of appropriate weather conditions for the noise predictions including reference to any weather data used to justify the assumed conditions
  - f) the predicted noise impacts from each noise source as well as the combined noise level for each prediction scenario under any identified significant adverse weather conditions as well as calm conditions where appropriate
  - g) for developments where a significant level of noise impact is likely to occur, noise contours for the key prediction scenarios should be derived
  - h) an assessment of the need to include modification factors as detailed in Section 4 of the *NSW Industrial Noise Policy*.
- Discuss the findings from the predictive modelling and, where relevant noise criteria have not been met, recommend additional mitigation measures.



- The noise impact assessment report should include details of any mitigation proposed including the attenuation that will be achieved and the revised noise impact predictions following mitigation.
- Where relevant noise/vibration criteria cannot be met after application of all feasible and cost effective mitigation measures the residual level of noise impact needs to be quantified by identifying:
  - a) locations where the noise level exceeds the criteria and extent of exceedence
  - b) numbers of people (or areas) affected
  - c) times when criteria will be exceeded
  - d) likely impact on activities (speech, sleep, relaxation, listening, etc)
  - e) change on ambient conditions
  - f) the result of any community consultation or negotiated agreement.
- For the assessment of existing and future traffic noise, details of data for the road should be included such as assumed traffic volume; percentage heavy vehicles by time of day; and details of the calculation process. These details should be consistent with any traffic study carried out in the EIS.
- Where blasting is intended an assessment in accordance with the *Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration* (ANZECC, 1990) should be undertaken. The following details of the blast design should be included in the noise assessment:
  - a) bench height, burden spacing, spacing burden ratio
  - b) blast hole diameter, inclination and spacing
  - c) type of explosive, maximum instantaneous charge, initiation, blast block size, blast frequency.

#### **Describe management and mitigation measures**

- Determine the most appropriate noise mitigation measures and expected noise reduction including both noise controls and management of impacts for both construction and operational noise. This will include selecting quiet equipment and construction methods, noise barriers or acoustic screens, location of stockpiles, temporary offices, compounds and vehicle routes, scheduling of activities, etc.
- For traffic noise impacts, provide a description of the ameliorative measures considered (if required), reasons for inclusion or exclusion, and procedures for calculation of noise levels including ameliorative measures. Also include, where necessary, a discussion of any potential problems associated with the proposed ameliorative measures, such as overshadowing effects from barriers. Appropriate ameliorative measures may include:
  - a) use of alternative transportation modes, alternative routes, or other methods of avoiding the new road usage
  - b) control of traffic (eg: limiting times of access or speed limitations)
  - c) resurfacing of the road using a quiet surface
  - d) use of (additional) noise barriers or bunds
  - e) treatment of the façade to reduce internal noise levels buildings where the night-time criteria is a major concern
  - f) more stringent limits for noise emission from vehicles (i.e. using specially designed 'quite' trucks and/or trucks to use air bag suspension
  - g) driver education
  - h) appropriate truck routes

- i) limit usage of exhaust breaks
- j) use of premium mufflers on trucks
- k) reducing speed limits for trucks
- l) ongoing community liaison and monitoring of complaints
- m) phasing in the increased road use.

#### 4. Water

##### Describe baseline conditions

- Describe existing surface and groundwater quality – an assessment needs to be undertaken for any water resource likely to be affected by the proposal and for all conditions (e.g. a wet weather sampling program is needed if runoff events may cause impacts).  
*Note: Methods of sampling and analysis need to conform with an accepted standard (e.g. Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC 2004) or be approved and analyses undertaken by accredited laboratories).*
- Provide site drainage details and surface runoff yield.
- State the ambient Water Quality and River Flow Objectives for the receiving waters. These refer to the community's agreed environmental values and human uses endorsed by the Government as goals for the ambient waters. These environmental values are published on the website: <http://www.environment.nsw.gov.au/ieo/index.htm>. The EIS should state the environmental values listed for the catchment and waterway type relevant to your proposal. NB: A consolidated and approved list of environmental values are not available for groundwater resources. Where groundwater may be affected the EIS should identify appropriate groundwater environmental values and justify the choice.
- State the indicators and associated trigger values or criteria for the identified environmental values. This information should be sourced from the ANZECC 2000 *Guidelines for Fresh and Marine Water Quality* (<http://www.environment.gov.au/water/publications/quality/nwqms-guidelines-4-vol1.html>) (Note that, as at 2004, the NSW Water Quality Objectives booklets and website contain technical criteria derived from the 1992 version of the ANZECC Guidelines. The Water Quality Objectives remain as Government Policy, reflecting the community's environmental values and long-term goals, but the technical criteria are replaced by the more recent ANZECC 2000 Guidelines). NB: While specific guidelines for groundwater are not available, the ANZECC 2000 Guidelines endorse the application of the trigger values and decision trees as a tool to assess risk to environmental values in groundwater.
- State any locally specific objectives, criteria or targets, which have been endorsed by the government e.g. the Healthy Rivers Commission Inquiries or the NSW Salinity Strategy (DLWC, 2000) (<http://www.environment.nsw.gov.au/salinity/government/nswstrategy.htm>).
- Where site specific studies are proposed to revise the trigger values supporting the ambient Water Quality and River Flow Objectives, and the results are to be used for regulatory purposes (e.g. to assess whether a licensed discharge impacts on water quality objectives), then prior agreement from the EPA on the approach and study design must be obtained.
- Describe the state of the receiving waters and relate this to the relevant Water Quality and River Flow Objectives (i.e. are Water Quality and River Flow Objectives being achieved?). Proponents are generally only expected to source available data and information. However, proponents of large or high risk developments may be required to collect some ambient water quality / river flow / groundwater data

to enable a suitable level of impact assessment. Issues to include in the description of the receiving waters could include:

- a) lake or estuary flushing characteristics
- b) specific human uses (e.g. exact location of drinking water offtake)
- c) sensitive ecosystems or species conservation values
- d) a description of the condition of the local catchment e.g. erosion levels, soils, vegetation cover, etc
- e) an outline of baseline groundwater information, including, but not restricted to, depth to watertable, flow direction and gradient, groundwater quality, reliance on groundwater by surrounding users and by the environment
- f) historic river flow data where available for the catchment.

##### Assess impacts

- No proposal should breach clause 120 of the *Protection of the Environment Operations Act 1997* (i.e. pollution of waters is prohibited unless undertaken in accordance with relevant regulations).
- Identify and estimate the quantity of all pollutants that may be introduced into the water cycle by source and discharge point including residual discharges after mitigation measures are implemented.
- Include a rationale, along with relevant calculations, supporting the prediction of the discharges.
- Describe the effects and significance of any pollutant loads on the receiving environment. This should include impacts of residual discharges through modelling, monitoring or both, depending on the scale of the proposal. Determine changes to hydrology (including drainage patterns, surface runoff yield, flow regimes, wetland hydrologic regimes and groundwater).
- Describe water quality impacts resulting from changes to hydrologic flow regimes (such as nutrient enrichment or turbidity resulting from changes in frequency and magnitude of stream flow).
- Identify any potential impacts on quality or quantity of groundwater describing their source.
- Identify potential impacts associated with geomorphological activities with potential to increase surface water and sediment runoff or to reduce surface runoff and sediment transport. Also consider possible impacts such as bed lowering, bank lowering, instream siltation, floodplain erosion and floodplain siltation.
- Identify impacts associated with the disturbance of acid sulfate soils and potential acid sulfate soils.
- Containment of spills and leaks shall be in accordance with the technical guidelines section 'Bunding and Spill Management' of the *Authorised Officers Manual* (EPA, 1995) (<http://www.epa.nsw.gov.au/mao/bundingspill.htm>) and the most recent versions of the Australian Standards referred to in the Guidelines. Containment should be designed for no-discharge.
- The significance of the impacts listed above should be predicted. When doing this it is important to predict the ambient water quality and river flow outcomes associated with the proposal and to demonstrate whether these are acceptable in terms of achieving protection of the Water Quality and River Flow Objectives. In particular the following questions should be answered:
  - a) will the proposal protect Water Quality and River Flow Objectives where they are currently achieved in the ambient waters; and
  - b) will the proposal contribute towards the achievement of Water Quality and River Flow Objectives over time, where they are not currently achieved in the ambient waters.
- Consult with the EPA as soon as possible if a mixing zone is proposed (a mixing zone could exist where effluent is discharged into a receiving water body, where the quality of the water being discharged does



not immediately meet water quality objectives. The mixing zone could result in dilution, assimilation and decay of the effluent to allow water quality objectives to be met further downstream, at the edge of the mixing zone). The EPA will advise the proponent under what conditions a mixing zone will and will not be acceptable, as well as the information and modelling requirements for assessment.

**Note:** *The assessment of water quality impacts needs to be undertaken in a total catchment management context to provide a wide perspective on development impacts, in particular cumulative impacts.*

- Where a licensed discharge is proposed, provide the rationale as to why it cannot be avoided through application of a reasonable level of performance, using available technology, management practice and industry guidelines.
- Where a licensed discharge is proposed, provide the rationale as to why it represents the best environmental outcome and what measures can be taken to reduce its environmental impact.
- Reference should be made to *Managing Urban Stormwater: Soils and Construction* (DECC, 2008), *Guidelines for Fresh and Marine Water Quality* ANZECC 2000), *Environmental Guidelines: Use of effluent by Irrigation* (DEC, 2004)>.

#### **Describe management and mitigation measures**

- Outline stormwater management to control pollutants at the source and contain them within the site. Also describe measures for maintaining and monitoring any stormwater controls.
- Outline erosion and sediment control measures directed at minimising disturbance of land, minimising water flow through the site and filtering, trapping or detaining sediment. Also include measures to maintain and monitor controls as well as rehabilitation strategies.
- Describe waste water treatment measures that are appropriate to the type and volume of waste water and are based on a hierarchy of avoiding generation of waste water; capturing all contaminated water (including stormwater) on the site; reusing/recycling waste water; and treating any unavoidable discharge from the site to meet specified water quality requirements.
- Outline pollution control measures relating to storage of materials, possibility of accidental spills (eg preparation of contingency plans), appropriate disposal methods, and generation of leachate.
- Describe hydrological impact mitigation measures including:
  - a) site selection (avoiding sites prone to flooding and waterlogging, actively eroding or affected by deposition)
  - b) minimising runoff
  - c) minimising reductions or modifications to flow regimes
  - d) avoiding modifications to groundwater.
- Describe groundwater impact mitigation measures including:
  - a) site selection
  - b) retention of native vegetation and revegetation
  - c) artificial recharge
  - d) providing surface storages with impervious linings
  - e) monitoring program.
- Describe geomorphological impact mitigation measures including:



- a) site selection
  - b) erosion and sediment controls
  - c) minimising instream works
  - d) treating existing accelerated erosion and deposition
  - e) monitoring program.
- Any proposed monitoring should be undertaken in accordance with the *Approved Methods for the Sampling and Analysis of Water Pollutants in NSW* (DEC 2004).

#### **5. Soils and contamination**

##### **Describe baseline conditions**

- Provide any details (in addition to those provided in the location description - Section C) that are needed to describe the existing situation in terms of soil types and properties and soil contamination.

##### **Assess impacts**

- Identify any likely impacts resulting from the construction or operation of the proposal, including the likelihood of:
  - a) disturbing any existing contaminated soil
  - b) contamination of soil by operation of the activity
  - c) subsidence or instability
  - d) soil erosion
  - e) disturbing acid sulfate or potential acid sulfate soils.

##### **Describe management and mitigation measures**

- Describe and assess the effectiveness or adequacy of any soil management and mitigation measures during construction and operation of the proposal including:
  - a) erosion and sediment control measures
  - b) proposals for site remediation – see *Managing Land Contamination, Planning Guidelines SEPP 55 – Remediation of Land* (Department of Urban Affairs and Planning and Environment Protection Authority, 1998)
  - c) proposals for the management of these soils – see *Assessing and Managing Acid Sulfate Soils*, Environment Protection Authority, 1995 (note that this is the only methodology accepted by the EPA).



## 6. Waste and chemicals

### *Describe baseline conditions*

- Describe any existing waste or chemicals operations related to the proposal.

### *Assess impacts*

- Assess the adequacy of proposed measures to minimise natural resource consumption and minimise impacts from the handling, transporting, storage, processing and reprocessing of waste and/or chemicals.

### *Describe management and mitigation measures*

- Outline measures to minimise the consumption of natural resources.
- Outline measures to avoid the generation of waste and promote the re-use and recycling and reprocessing of any waste.
- Outline measures to support any approved regional or industry waste plans.

## 7. Cumulative impacts

- Identify the extent that the receiving environment is already stressed by existing development and background levels of emissions to which this proposal will contribute.
- Assess the impact of the proposal against the long term air, noise and water quality objectives for the area or region.
- Identify infrastructure requirements flowing from the proposal (eg water and sewerage services, transport infrastructure upgrades).
- Assess likely impacts from such additional infrastructure and measures reasonably available to the proponent to contain such requirements or mitigate their impacts (eg travel demand management strategies).

---

## F. List of approvals and licences

- Identify all approvals and licences required under environment protection legislation including details of all scheduled activities, types of ancillary activities and types of discharges (to air, land, water).

---

## G. Compilation of mitigation measures

- Outline how the proposal and its environmental protection measures would be implemented and managed in an integrated manner so as to demonstrate that the proposal is capable of complying with



statutory obligations under EPA licences or approvals (eg outline of an environmental management plan).

- The mitigation strategy should include the environmental management and cleaner production principles which would be followed when planning, designing, establishing and operating the proposal. It should include two sections, one setting out the program for managing the proposal and the other outlining the monitoring program with a feedback loop to the management program.

---

## H. Justification for the Proposal

- Reasons should be included which justify undertaking the proposal in the manner proposed, having regard to the potential environmental impacts.

## ATTACHMENT B: GUIDANCE MATERIAL

| Title  | Web address   |
|--|---|
| <b>Relevant Legislation</b>  |   |
| Contaminated Land Management Act 1997  | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/act+140+1997+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/act+140+1997+cd+0+N</a>             |
| Environmentally Hazardous Chemicals Act 1985   | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/act+14+1985+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/act+14+1985+cd+0+N</a>               |
| Environmental Planning and Assessment Act 1979   | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/act+203+1979+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/act+203+1979+cd+0+N</a>             |
| Protection of the Environment Operations Act 1997  | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/act+156+1997+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/act+156+1997+cd+0+N</a>             |
| Water Management Act 2000  | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/act+92+2000+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/act+92+2000+cd+0+N</a>               |
| <b>Licensing</b>   |   |
| Guide to Licensing   | <a href="http://www.epa.nsw.gov.au/licensing/licenceguide.htm">www.epa.nsw.gov.au/licensing/licenceguide.htm</a>  |
| <b>Air Issues</b>  |   |
| <b>Air Quality</b>   |   |
| Approved methods for modelling and assessment of air pollutants in NSW (2005)                | <a href="http://www.epa.nsw.gov.au/resources/air/ammodelling05361.pdf">http://www.epa.nsw.gov.au/resources/air/ammodelling05361.pdf</a>   |
| POEO (Clean Air) Regulation 2010   | <a href="http://www.legislation.nsw.gov.au/main/top/view/inforce/subordleg+428+2010+cd+0+N">http://www.legislation.nsw.gov.au/main/top/view/inforce/subordleg+428+2010+cd+0+N</a> |
| <b>Noise and Vibration</b>   |   |
| Interim Construction Noise Guideline (DECC, 2009)  | <a href="http://www.epa.nsw.gov.au/noise/constructnoise.htm">http://www.epa.nsw.gov.au/noise/constructnoise.htm</a>   |
| Assessing Vibration: a technical guideline (DEC, 2006)                                       | <a href="http://www.epa.nsw.gov.au/noise/vibrationguide.htm">http://www.epa.nsw.gov.au/noise/vibrationguide.htm</a>   |
| Industrial Noise Policy Application Notes  | <a href="http://www.epa.nsw.gov.au/noise/applicnotesindustnoise.htm">http://www.epa.nsw.gov.au/noise/applicnotesindustnoise.htm</a>   |
| Environmental Criteria for Road Traffic Noise (EPA, 1999)                                    | <a href="http://www.epa.nsw.gov.au/resources/noise/roadnoise.pdf">http://www.epa.nsw.gov.au/resources/noise/roadnoise.pdf</a>   |
| Interim Guideline for the Assessment of Noise from Rail Infrastructure Projects (DECC, 2007) | <a href="http://www.epa.nsw.gov.au/noise/railinfranoise.htm">http://www.epa.nsw.gov.au/noise/railinfranoise.htm</a>   |
| Environmental assessment requirements for rail traffic-generating developments               | <a href="http://www.epa.nsw.gov.au/noise/railnoise.htm">http://www.epa.nsw.gov.au/noise/railnoise.htm</a>   |

| Waste, Chemicals and Hazardous Materials and Radiation  |   |
|---|---|
| <b>Waste</b>  |   |
| Environmental Guidelines: Solid Waste Landfills (EPA, 1996)   | <a href="http://www.epa.nsw.gov.au/resources/waste/envguidlns/solidlandfill.pdf">http://www.epa.nsw.gov.au/resources/waste/envguidlns/solidlandfill.pdf</a>   |
| Draft Environmental Guidelines - Industrial Waste Landfilling (April 1998)  | <a href="http://www.epa.nsw.gov.au/resources/waste/envguidlns/industrialfill.pdf">http://www.epa.nsw.gov.au/resources/waste/envguidlns/industrialfill.pdf</a> |
| Waste Classification Guidelines (DECC, 2009)  | <a href="http://www.epa.nsw.gov.au/waste/envguidlns/index.htm">http://www.epa.nsw.gov.au/waste/envguidlns/index.htm</a>                                       |
| Resource recovery exemption   | <a href="http://www.epa.nsw.gov.au/waste/RRRecoveryExemptions.htm">http://www.epa.nsw.gov.au/waste/RRRecoveryExemptions.htm</a>                               |
| <b>Chemicals subject to Chemical Control Orders</b>   |   |
| Chemical Control Orders (regulated through the EHC Act )  | <a href="http://www.epa.nsw.gov.au/pesticides/CCOs.htm">http://www.epa.nsw.gov.au/pesticides/CCOs.htm</a>   |
| National Protocol - Approval/Licensing of Trials of Technologies for the Treatment/Disposal of Schedule X Wastes - July 1994        | Available in libraries  |
| National Protocol for Approval/Licensing of Commercial Scale Facilities for the Treatment/Disposal of Schedule X Wastes - July 1994 | Available in libraries  |
| <b>Water and Soils</b>  |   |
| <b>Acid sulphate soils</b>  |   |
| Coastal acid sulfate soils guidance material  | <a href="http://www.environment.nsw.gov.au/acidsulfatesoil/">http://www.environment.nsw.gov.au/acidsulfatesoil/</a>   |
| Acid Sulfate Soils Planning Maps  | <a href="http://www.environment.nsw.gov.au/acidsulfatesoil/riskmaps.htm">http://www.environment.nsw.gov.au/acidsulfatesoil/riskmaps.htm</a>                   |
| <b>Contaminated Sites Assessment and Remediation</b>  |   |
| Managing land contamination: Planning Guidelines – SEPP 55 Remediation of Land  | <a href="http://www.planning.nsw.gov.au/assessingdev/pdf/qu_contam.pdf">http://www.planning.nsw.gov.au/assessingdev/pdf/qu_contam.pdf</a>                     |
| Guidelines for Consultants Reporting on Contaminated Sites (EPA, 2000)  | <a href="http://www.epa.nsw.gov.au/resources/clm/20110650consultantsolines.pdf">http://www.epa.nsw.gov.au/resources/clm/20110650consultantsolines.pdf</a>     |
| Guidelines for the NSW Site Auditor Scheme - 2nd edition (DEC, 2006)  | <a href="http://www.epa.nsw.gov.au/resources/clm/auditorolines06121.pdf">http://www.epa.nsw.gov.au/resources/clm/auditorolines06121.pdf</a>                   |
| Sampling Design Guidelines (EPA, 1995)  | Available by request from EPA's Environment Line  |

|   |   |
|---|---|
| National Environment Protection (Assessment of Site Contamination) Measure 1999 (or update) | <a href="http://www.scew.gov.au/nepms/assessment-site-contamination">http://www.scew.gov.au/nepms/assessment-site-contamination</a>   |
| Soils – general   |   |
| Managing land and soil  | <a href="http://www.environment.nsw.gov.au/soils/landandsoil.htm">http://www.environment.nsw.gov.au/soils/landandsoil.htm</a>   |
| Managing urban stormwater for the protection of soils                                       | <a href="http://www.environment.nsw.gov.au/stormwater/publications.htm">http://www.environment.nsw.gov.au/stormwater/publications.htm</a>   |
| Landslide risk management guidelines  | <a href="http://www.australiangeomechanics.org/resources/downloads/">http://www.australiangeomechanics.org/resources/downloads/</a>   |
| Site Investigations for Urban Salinity (DLWC, 2002)   | <a href="http://www.environment.nsw.gov.au/resources/salinity/booklet3siteinvestigationsforurbansalinity.pdf">http://www.environment.nsw.gov.au/resources/salinity/booklet3siteinvestigationsforurbansalinity.pdf</a> |
| Local Government Salinity Initiative Booklets   | <a href="http://www.environment.nsw.gov.au/salinity/solutions/urban.htm">http://www.environment.nsw.gov.au/salinity/solutions/urban.htm</a>   |
| Water   |   |
| Water Quality Objectives  | <a href="http://www.environment.nsw.gov.au/ieo/index.htm">http://www.environment.nsw.gov.au/ieo/index.htm</a>   |
| ANZECC (2000) Guidelines for Fresh and Marine Water Quality                                 | <a href="http://www.environment.gov.au/water/publications/quality/nwqms-guidelines-4-vol1.html">http://www.environment.gov.au/water/publications/quality/nwqms-guidelines-4-vol1.html</a>                             |
| Applying Goals for Ambient Water Quality Guidance for Operations Officers – Mixing Zones    | Contact the EPA on 131555   |
| Approved Methods for the Sampling and Analysis of Water Pollutant in NSW (2004)             | <a href="http://www.environment.nsw.gov.au/resources/legislation/approved-methods-water.pdf">http://www.environment.nsw.gov.au/resources/legislation/approved-methods-water.pdf</a>                                   |

11 December 2014

Our Ref: SYD14/01464  
Your Ref: SSD 6835

Manager  
Industry, Key Sites and Social Projects  
Department of Planning and Environment  
GPO Box 39  
SYDNEY NSW 2001

Attention: Ashley Cheong

Dear Sir/Madam,

**SECRETARY'S ENVIRONMENTAL ASSESSMENT REQUIREMENTS FOR A PROPOSED  
EXPANSION OF LUCAS HEIGHTS RESOURCE RECOVERY PARK**

Reference is made to the Department's correspondence dated 4 December 2014 requesting Roads & Maritime Services (Roads and Maritime) to provide details of key issues and assessment requirements regarding the abovementioned development for inclusion in the Secretary's Environmental Assessment requirements (SEARs).

Roads and Maritime requests that the following issues be included in the transport and traffic impact assessment of the proposed development:

1. Daily and peak traffic movements likely to be generated by the proposed development including the impact on nearby intersections and the need / associated funding for upgrading or road improvement works (if required).
2. Details of the proposed accesses and the parking provisions associated with the proposed development including compliance with the requirements of the relevant Australian Standards (i.e. turn paths, sight distance requirements, aisle widths, etc).
3. Proposed number of car parking spaces and compliance with the appropriate parking codes.
4. Details of service vehicle movements (including vehicle type and likely arrival and departure times).
5. To ensure that the above requirements are fully addressed, Roads and Maritime requests that traffic modelling be undertaken for the resource recovery facility to properly ascertain the traffic impacts associated with the development. The traffic modelling process provides an opportunity to identify a package of infrastructure measures required to support the proposed development. This traffic modelling shall assess the existing levels of service of surrounding intersections and identify local intersection and road improvements, vehicular access options, the timing and cost of any infrastructure works and the identification of funding responsibilities associated with the development.
6. Roads and Maritime will require in due course the provision of a traffic management plan for all demolition / construction activities, detailing vehicle routes, number of trucks, hours of operation, access arrangements and traffic control measures.

Any inquiries in relation to this matter can be directed to Ravi Ravendra on 8849 2540.

Yours faithfully



Pahee Rathan  
Senior Land Use Planner  
Network & Safety

## Ashley Cheong

---

**From:** IDrinnan@ssc.nsw.gov.au  
**Sent:** Wednesday, 7 January 2015 3:29 PM  
**To:** Ashley Cheong  
**Subject:** Sutherland Shire Council Review of SITA State Significant Development Supporting Document

Ashley,

as discussed please find below Council's comments regarding the SITA proposal of the expansion of the Lucas Heights Resource Recovery Park. Generally we are happy with the form and content of the document.

The following are items we have identified that require further detail within the EIS, as while they may be present in other support documents, such as the VPA and EMPs, this information should be contained up front in the EIS.

Should you have any questions on this please let me know.

### Section 3.5 Future Parkland

The supporting document discusses post closure management of gas collection and electricity generation, but is light on, or does not consider the following points:

- Water and Leachate, and gas management, and who is responsible for the ongoing monitoring to ensure compliance with relevant standards of use and how will they achieve this?
- Landscape maintenance, ie: how long after conversion into parklands will SITA be responsible for the maintenance of plants and/or paths etc before handover to council?
- Ownership responsibilities and liability - ie: who is responsible for the ongoing maintenance of the parklands beyond the landscape maintenance period?

The answers to many of these questions are contained within the VPA, but should be addressed in the EIS.

### Section 4.7 Waste Management

Will the free drop off areas for excess recyclables, car batteries, engine oil, metals, fire extinguishers etc be maintained with the proposed facility? Maintaining these will meet objectives under the Waste Avoidance and Resource Recovery Act 2001.

### Section 5.2 Hazards and Risks.

The potential for flooding and increased risk of sediment and erosion control as a result of the new proposed landforms and greater potential for stormwater to run off the land rather than be infiltrated into the land has been addressed in section 4.4.3 under the heading "Stormwater". However the potential for flooding, landslip and subsidence should also be considered under section 5.2, Hazards and risks.

### Section 5.6 Social

The Scope of the EIS should include the impact on the future development of surrounding area, ie: Gandangarra land that will be developed while LLRRP is operational.

Currently SITA offer community and school tours of the facility. The tour is a great educational tool to reduce waste to landfill, a objective under the Waste Avoidance and Resource Recovery Act 2001. Will the tours continue with the new facilities?

**Section 5.8 Soils**

The site being contaminated is mentioned briefly but should it be considered in more depth in this area, particularly the treatment of the contaminated areas to prevent access to it in the final use of the site.

**Section 7 Strategic justification**

The alternative to not extending the life of the LLRRP should be expanded on here. It mentions briefly about waste having to be transported to another remote site in section 7.2, but more information such as environmental impacts, social impacts and financial impacts of transporting the waste to a remote location should be discussed in detail.

Regards

Ian Drinnan BSc, DipEd, GDipEnvSt, MEnvMgt  
Manager/Principal Environmental Scientist  
Sutherland Shire Council  
Locked Bag 17 Sutherland 1499 Australia  
Tel: 61 2 9710 0547  
Fax: 61 2 9710 0108  
Email: [idrinnan@ssc.nsw.gov.au](mailto:idrinnan@ssc.nsw.gov.au)  
Web: <http://www.sutherlandshire.nsw.gov.au>

(Important: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error, please delete it and notify the sender via return mail. You must not disclose the contents of this email to any third party without the consent of the sender.)  
\*\*\*\*\*

Important: This email / fax and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email / fax in error please notify the sender via return mail. You must not disclose the contents of this email / fax to any third party without the consent of the Sender.

\*\*\*\*\*