

# ENVIRON

## Environmental Compliance Audit of the Clyde Waste Transfer Terminal

For  
Collex Pty Ltd



July 2006

31-0537

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## **ENVIRONMENTAL COMPLIANCE AUDIT**

### **1 Executive Summary**

ENVIRON Australia Pty Ltd (ENVIRON) were engaged by Collex Pty Ltd to conduct an independent environmental compliance audit of the Clyde Waste Transfer Terminal. The audit was focused upon the operational period of January 15 2005 – January 15 2006.

The purpose of ENVIRON's audit was to verify compliance with the site development approval and other relevant legal requirements as requested by the Department of Infrastructure, Planning and Natural Resources, now known as the Department of Planning. It is pleasing to note, that based on the information reviewed by ENVIRON only one non conformance relating vehicular noise emission testing (Consent Condition 112) was noted. In addition, minor opportunities for improvement (Consent Condition 48, 130, 131 & 132) have been identified in the audit findings.

## 2 Introduction

The Clyde Waste Transfer Terminal (Special Provisions Bill) 2003, tabled in the NSW Legislative Council on November 19 2003 provided the approval for the construction and operation of the Clyde Waste Transfer Terminal. Clause 4 of the Clyde Waste Transfer Terminal (Special Provisions Bill) 2003 makes reference to the 'Clyde Waste Transfer Terminal – Conditions of Development Consent', which outlines a number of consent conditions which are required to be met during the construction and operation of the site.

As part of the DIPNR (now DoP) Conditions of Development Consent, an independent audit of the environmental performance of the development is required under Consent Condition 60, and must be undertaken at least every twelve months. The period of review for this audit is the period January 15 2005 – January 15 2006 (2005 operational and reporting period). The previous independent audit covered the period from the commencement of site activities on the 15<sup>th</sup> January 2004 until 15 January 2005.

## 3 Audit Activities

### 3.1 Audit Purpose

The purpose of the audit was to conduct an independent environmental compliance audit of the Clyde Transfer Station Facility against the DIPNR (DoP) conditions of development approval.

### 3.2 Audit Criteria

The objective of the audit was to verify that both the construction and operation of the facility complies with the requirements of:

- DIPNR (DoP) Consent Conditions
- The implementation of the EMP (Construction) and EMP (Operation) and review the effectiveness of the environmental management of the development.

The Audit has been conducted pursuant to ISO 14010 – Guidelines and General Principles for Environmental Auditing, ISO 14011 – Procedures for Environmental Monitoring.

### 3.3 Audit Scope

All aspects of the facility were included as part of the audit. The audit focused upon the timeframe of January 15 2005 – January 15 2006. It is noted that no construction work was carried out during this time frame; minor modifications to the emergency 'hot load' zone were made and are not considered by ENVIRON to constitute construction activities.

### 3.4 Audit Findings

The following table presents the findings from the site audit conducted on 16<sup>th</sup> May 2006. Also included are the reference documents reviewed as part of the audit. Responses have been allocated to findings as outlined below:

C = Compliance with Consent Condition

O = Observation

I = Opportunity for Improvement

AOC = Area of Concern

NC = Non conformance.

Consent Condition	Audit Findings	Reference Documents	Finding
<p>1. Development shall be carried out in accordance with:</p> <p>(a) DA No. 205-08-01;</p> <p>(b) the EIS prepared for the “Clyde Transfer Terminal” by Maunsell McIntyre Pty Ltd, dated 14 August 2001;</p> <p>(c) the Supplementary EIS prepared for the “Clyde Transfer Terminal” by Maunsell McIntyre Pty Ltd, dated 18 December 2001;</p> <p>(d) all additional information supplied by the Applicant or the Applicant’s consultants or sub consultants to the Department or integrated approval bodies pertaining to the development, including:</p> <ul style="list-style-type: none"> <li>• Noise Mitigation Details provided to the EPA by Vipac Engineers &amp; Scientists Ltd by facsimile dated 15 February 2002;</li> <li>• Stormwater Outlet Design, dated 18 February 2002, provided to the Department by Maunsell Australia Pty Ltd;</li> <li>• Information on traffic, odour and noise, dated 9 April 2002, provided to the independent assessor Mr John Court by Maunsell Australia Pty Ltd;</li> <li>• Information on the construction EMP, stormwater drainage, site contamination, landscaping and rehabilitation of Duck River, and the property boundary, dated 10 April 2002, provided to Waterways Authority by</li> </ul>	<p>ENVIRON reviewed documentation relating to site development and construction (specifically DA No.205-08-01) and did not identify any non-conformances with DIPNR (DoP) Consent Condition 1. Monitoring and reporting records as well as present site conditions demonstrate the design and construction of the development were carried out in accordance with requirements.</p> <p>Site development and construction was reviewed against the documents outlined within DIPNR (DoP) Consent Condition 1, Sections (a) to (d) were reviewed by ENVIRON and were found to be in compliance.</p> <p>During the Audit review period (1<sup>st</sup> January – 31<sup>st</sup> December 2006) no further construction and/or site development occurred at the facility.</p>	<ul style="list-style-type: none"> <li>■ ‘Statement of Compliance’, prepared by Mr. Robert Young of Maunsell (21<sup>st</sup> July 2004).</li> <li>■ Condition Compliance Report (Pre Construction), prepared by Collex, Barclay Mowlem &amp; Maunsell (December 2003).</li> <li>■ Documentation outlined within DIPNR (DoP) Consent Condition 1, Sections (a) to (d).</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>Maunsell Australia Pty Ltd;</p> <ul style="list-style-type: none"> <li>• Information on odour management, Duck River cycleway, and traffic management, dated 10 April 2002, provided to the independent assessor Mr John Court by Maunsell Australia Pty Ltd;</li> <li>• Information on the property boundary, dated 17 April 2002, provided to Waterways Authority by Maunsell Australia Pty Ltd;</li> <li>• Information on modifications to pipeline, pipe outlet, scour protection works, detention basin, Weighbridge and noise barrier, dated 19 April 2002, provided to Waterways Authority by Maunsell Australia Pty Ltd;</li> <li>• Information on a proposed community consultative committee and possible community enhancement projects, dated 4 June 2002, provided to the Department by the Applicant;</li> <li>• Information on Parramatta Road plans and odour control procedure, dated 12 June 2002, provided to the Department by Maunsell Australia Pty Ltd; and</li> <li>• Information on odour management, dated 4 July 2002, provided to the Department by the Applicant.</li> </ul> <p>Except as modified by the following conditions.</p>			

Consent Condition	Audit Findings	Reference Documents	Finding
<p>2. In the event of any inconsistency between this consent and any of the above information, this Consent shall prevail to the extent of the inconsistency.</p>	<p>Noted. As above.</p>	<p>Noted. As above.</p>	<p>C</p>
<p>3. It shall be the ultimate responsibility of the Applicant to ensure compliance with these Conditions.</p>	<p>ENVIRON was able to confirm, through its site audit and review, Collex's role in ensuring compliance with consent conditions.</p> <p>Management Plans, correspondence and site records were reviewed to ensure Consent Conditions were met.</p>	<ul style="list-style-type: none"> <li>■ Collex/DIPNR Correspondence File and Records.</li> <li>■ Condition Compliance Report (Pre Construction), prepared by Collex, Barclay Mowlem &amp; Maunsell (December 2003).</li> <li>■ Construction Environmental Management Plan (February 2004).</li> <li>■ Operational Environmental Management Plan (2005).</li> <li>■</li> </ul>	<p>C</p>
<p>4. These Conditions do not relieve the Applicant of the obligation to obtain all other approvals and licences from all relevant authorities required under any other Act.</p>	<p>ENVIRON did not observe any non compliance or failure on behalf of COLLEX to obtain any required approvals or licences.</p>	<ul style="list-style-type: none"> <li>■ Collex/NSW Department of Environment and Conservation (DEC) Correspondence File and Records.</li> <li>■ Collex/Local Council Correspondence File and Records.</li> </ul>	<p>C</p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ Site Environmental Protection Licence (11763).</li> </ul>	
<p><b>5.</b> The Applicant shall comply or ensure compliance with all the requirements of the Director-General in respect of the implementation of any measures arising from these Conditions.</p>	<p>ENVIRON was able to confirm, through its site audit and review, Collex’s role in ensuring compliance with all the requirements of the Director General in respect of the implementation of any measures arising from Consent Conditions.</p> <p>Management Plans, correspondence and site records were reviewed to ensure Consent Conditions were met.</p>	<ul style="list-style-type: none"> <li>■ Collex/DIPNR (DoP) Correspondence File and Records.</li> <li>■ Condition Compliance Report (Pre Construction), prepared by Collex, Barclay Mowlem &amp; Maunsell (December 2003).</li> <li>■ Construction Environmental Management Plan (February 2004).</li> <li>■ Operational Environmental Management Plan (2005).</li> <li>■</li> </ul>	<b>C</b>
<p><b>6.</b> The Applicant must bring to the attention of the Director-General any matter that may require further investigation, or the issuing of instructions from the Director-General, to enable compliance with these Conditions. The Applicant shall comply or ensure compliance with any instruction issued by the Director-General to enable compliance with these Conditions.</p>	<p>As above (Consent Condition 5).</p>	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 5).</li> </ul>	<b>C</b>



Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>7.</b> Where the results of any monitoring demonstrate an exceedance of a limit in this consent, the Applicant shall provide, within 30 days of the monitoring, the monitoring results to the Director-General and Auburn Council stating:</p> <p>(a) The reason for the exceedance;</p> <p>(b) Action taken to ensure the limit is not exceeded in the future;</p> <p>(c) Proposed action to ensure the limit is not exceeded in the future;</p> <p>(d) Timetable for implementing the proposed action in (c); and</p> <p>(e) Results of additional monitoring which has been conducted within 7 days of the action taken in (b) and (c) above, to demonstrate compliance with the limit.</p>	<p>ENVIRON reviewed monitoring results and correspondence relating to any identified exceedance of Consent limits. Monitoring for the review period did not indicate any major exceedances and were reported appropriately.</p> <p>ENVIRON notes that on the 15 April 2005 Collex reported monitoring events on the 15 and 16 March 2005 which resulted in odour emission rates that were above the limit in Condition 86 of the consent.</p> <p>Collex has identified and implemented both short term and longer term actions to address this issue at the facility; both DIPNR (DOP) and the EPA/DEC have been consulted regarding the development of this response. Proposed changes to improve odour monitoring are still currently under review.</p>	<ul style="list-style-type: none"> <li>■ Collex/DIPNR (DoP) Correspondence File and Records.</li> <li>■ Condition Compliance Report (Pre Construction), prepared by Collex, Barclay Mowlem &amp; Maunsell (December 2003).</li> <li>■ Construction Environmental Management Plan (February 2004).</li> <li>■ Operational Environmental Management Plan (2005).</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex letter to EPA –</li> </ul>	<p style="text-align: center;"><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<p>Sydney Waste, dated 15 April 2005, discussing high Odour results.</p> <ul style="list-style-type: none"> <li>■ Collex letter to DIPNR dated 15 April 2005, advising of high odour results.</li> <li>■ DIPNR letter to Collex, dated 12 Sept 2005, regarding odour monitoring.</li> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005, regarding odour monitoring.</li> <li>■ Report on Odour Adsorption and Suppression System (Bassett) May 2005.</li> </ul>	
<p><b>8.</b> No waste shall be received at the development except waste to be transported by rail from the Clyde Marshalling Yards for disposal at the Woodlawn Bioreactor.</p>	<p>All waste received at the site is transported by rail to the Woodlawn Bioreactor. The site has in place well managed procedures for waste acceptance, these procedures ensure</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
	screening of unacceptable wastes and ensures all details of incoming waste is recorded, ENVIRON reviewed appropriate records of waste volumes (tonnes) leaving the Clyde Marshalling Yards and corresponding records of waste volumes for the Woodlawn Bioreactor during the 2005 review period.	<ul style="list-style-type: none"> <li>■ Weighbridge Operational Procedures</li> <li>■ 2005 Waste Volume (tonnage) Records</li> </ul>	
<p><b>9.</b> The volumes of waste accepted at the development shall not exceed the annual waste input rates in Table 1, approved for acceptance at the Woodlawn Bioreactor, unless otherwise approved by the Minister. The Minister shall give such approval if the need for additional capacity at the Woodlawn Bioreactor is demonstrated by an independent public assessment of landfill capacity and demand in the Sydney Region. The assessment shall:</p> <p>(a) take into account the status of alternative technologies for putrescible waste management and be undertaken at five-yearly intervals;</p> <p>(b) be completed one year before commencement of each five year period from the date of operational commencement of the Woodlawn Bioreactor, or at any other time at the request of the Applicant, with the first review due four years from the date of operational commencement of the Woodlawn Bioreactor; and</p> <p>(c) be undertaken by an independent person or organisation, to be appointed by the Minister, with the costs to be funded by the Applicant.</p>	ENVIRON reviewed monthly tonnages for the 2005 review period. Waste input rates for the 2005 period are below maximum input rates given within Table 1.	<ul style="list-style-type: none"> <li>■ 2005 Waste Volume (tonnage) Records</li> <li>■ Weighbridge Operational Procedures</li> <li>■ Operational Environmental Management Plan</li> <li>■ Container Weight Comparisons Report (Clyde and Woodlawn) 15<sup>th</sup> January 2005 – 15 January 2006.</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding										
<p><b>Table 1: Maximum Waste Input Rates</b></p> <table border="1"> <thead> <tr> <th>Date of operational</th> <th>Maximum input rate (tonnes p/a)</th> </tr> </thead> <tbody> <tr> <td>0-5</td> <td>400,000</td> </tr> <tr> <td>6-10</td> <td>360,000</td> </tr> <tr> <td>11-15</td> <td>325,000</td> </tr> <tr> <td>16-20</td> <td>290,000</td> </tr> </tbody> </table>	Date of operational	Maximum input rate (tonnes p/a)	0-5	400,000	6-10	360,000	11-15	325,000	16-20	290,000			
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<p><b>10.</b> In any event, no more than 500,000 tonnes of waste shall be accepted at the development in any one year.</p>	<p>As above (Consent Condition 9).</p>	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 9).</li> </ul>	<p><b>C</b></p>										
<p><b>11.</b> The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the Protection of the Environment Operations Act 1997, having regard to the matters in s.83 of that Act.</p>	<p>No issues were noted by ENVIRON in relation to this Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Site Environmental Protection Licence (Licence Number 11763)</li> </ul>	<p><b>C</b></p>										
<p><b>12.</b> The Applicant is to take all practicable measures to prevent and minimise harm to the environment as a result of the Development.</p>	<p>ENVIRON reviewed both the Construction and Operational Environmental Management Plans and associated performance records, communications with local and state government agencies, community and neighbours.</p> <p>Collex has demonstrated sound commitment to the prevention and minimisation of harm to the environment.</p>	<ul style="list-style-type: none"> <li>■ Collex/DIPNR (DoP) Correspondence File and Records.</li> <li>■ Condition Compliance Report (Pre Construction), prepared by Collex, Barclay Mowlem &amp; Maunsell (December 2003).</li> <li>■ Construction Environmental Management Plan (February 2004).</li> </ul>	<p><b>C</b></p>										

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan (2005).</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> </ul>	
<p><b>13.</b> If at any time the Director-General is made aware of the occurrence of any impact from the project that poses serious environmental or amenity concerns, and is due to the failure of measures required by these Conditions or those measures identified in the documentation referred to in Condition 1 to ameliorate the impact, the Director-General may request the Applicant to cease the activities causing the impact.</p>	<p>Collex is aware of the requirements of this Consent Condition.</p>	<p>Nil.</p>	<p><b>C</b></p>
<p><b>14.</b> The Applicant may recommence the activities that were ceased, upon written advice by the Director-General that those concerns have been satisfactorily addressed.</p>	<p>Collex is aware of the requirements of this Consent Condition.</p>	<p>Nil.</p>	<p><b>C</b></p>
<p><b>15.</b> The date of commencement shall be the date that the Applicant determines to proceed with the development. The Applicant must provide the date of</p>	<p>ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of</p>	<ul style="list-style-type: none"> <li>■ Collex letter to DIPNR (17<sup>th</sup> Dec 2003) advising of commencement date</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
commencement in writing to the Director-General before commencement of the development.	commencement dates (6 <sup>th</sup> Jan 2004) as required.	<ul style="list-style-type: none"> <li>■ DIPNR letters to Collex (6<sup>th</sup> and 7<sup>th</sup> Jan 2004) confirming receipt of required notification.</li> </ul>	
<p><b>16.</b> At least two weeks prior to commencement of construction (or within such period as otherwise agreed in writing by the Director-General), the Applicant shall submit to the Director-General a report detailing the level of compliance with each Condition of this Consent that relates to pre-construction activities. The report shall include, but not necessarily be limited to:</p> <p>(a) the identification of each relevant Condition</p> <p>(b) the details of any study or report required by the relevant Conditions</p> <p>(c) the level of compliance with each relevant Condition</p> <p>(d) the reasons for any non-compliance</p> <p>(e) any action taken or proposed to make good any non compliance, and</p> <p>(f) any action taken or proposed to implement the recommendations made in any study or report required by the relevant Conditions</p>	ENVIRON has reviewed report contained within the Construction Environmental Management Plan and Collex submission to the Director General. Additionally the appropriate receipt and approval of report from DIPNR was sighted.	<ul style="list-style-type: none"> <li>■ Collex letter to DIPNR (17<sup>th</sup> Dec 2003) advising of commencement date</li> <li>■ DIPNR letters to Collex (6<sup>th</sup> and 7<sup>th</sup> Jan 2004) confirming receipt of required notification</li> <li>■ Construction Environmental Management Plan (December 2003)</li> </ul>	<b>C</b>
<p><b>17.</b> At least one month prior to the receipt of uncontainerised waste at the premises (or within such period as otherwise agreed in writing by the Director-</p>	Pre Operation Compliance Report was sighted and reviewed by ENVIRON and found to be appropriate. No non compliances	<ul style="list-style-type: none"> <li>■ Collex Pre Operations Compliance Report (July 2004)</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>General), the Applicant shall submit to the Director-General a report detailing the level of compliance with each Condition of this Consent that relates to pre-operation activities. The report shall include, but not necessarily be limited to:</p> <p>(a) identification of each relevant Condition</p> <p>(b) the details of any study or report required by the relevant Conditions</p> <p>(c) the level of compliance with each relevant Condition</p> <p>(d) the reasons for any non-compliance</p> <p>(e) any action taken or proposed to make good any non compliance, and</p> <p>(f) any action taken or proposed to implement the recommendations made in any study or report required by the relevant Conditions</p>	<p>were identified as part of this review. Report was submitted on 9<sup>th</sup> of July 2004.</p> <p>A Certificate of Construction was also submitted by Barclay Mowlem (29<sup>th</sup> July 2004) to DIPNR.</p>	<ul style="list-style-type: none"> <li>■ Barclay Mowlem Certificate of Construction (29<sup>th</sup> July 2004)</li> <li>■ DIPNR letter to Collex confirming receipt of required notification under this Consent Condition.</li> </ul>	
<p><b>18.</b> The Applicant shall endeavour to resolve any dispute arising out of the implementation of these Conditions</p>	<p>Collex is aware of the requirements of this Consent Condition.</p>	<p>Nil.</p>	<p><b>C</b></p>
<p><b>19.</b> For any unresolved dispute arising out of the implementation of these Conditions between the Applicant and a public authority, company or person (but excluding any dispute between the Applicant and its contractors and/or subcontractors engaged in the construction or operation of the development), in the first instance either party can</p>	<p>Collex is aware of the requirements of this Consent Condition.</p>	<p>Nil.</p>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>refer the matter to the Director-General for resolution and, if not resolved, to the Minister. The Minister's determination of the disagreement shall be final and binding on all parties.</p>			
<p><b>20.</b> The results of any monitoring required to be conducted by the Conditions of this Consent or a licence under the Protection of the Environment Operations Act 1997, in relation to the development, must be recorded and retained as specified in this Consent.</p>	<p>Collex is aware of the requirements of this Consent Condition. ENVIRON has reviewed monitoring and subsequent record and document control procedures in relation to development and found them to be appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan (2005).</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex Document Control Procedure</li> </ul>	<p><b>C</b></p>
<p><b>21.</b> All records required to be kept by this Consent or an environment protection licence must be:</p> <p>a) in a legible form, or in a form that can readily be reduced to a legible form;</p> <p>b) kept for at least 4 years after the monitoring or event to which they relate took place; and</p> <p>c) produced in a legible form to any authorised officer of the EPA who asks to see them.</p>	<p>Collex is aware of the requirements of this Consent Condition. ENVIRON has reviewed monitoring and subsequent record and document control procedures in relation to site development and environmental protection licence and found them to be appropriate.</p>	<ul style="list-style-type: none"> <li>■ Monthly Reports – Environmental Monitoring (Including Construction Phase) Jan/Feb 2004 – Dec 2004</li> <li>■ Construction Environmental Management Plan (December 2003).</li> </ul>	<p><b>C</b></p>



Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex Document Control Procedure</li> <li>■ Collex Project Quality Plan</li> <li>■ Monitoring Records (as required).</li> </ul>	
<p><b>22.</b> The following records must be kept in respect of any samples required to be collected:</p> <p>a) the date(s) on which the sample was taken;</p> <p>b) the time(s) at which the sample was collected;</p> <p>c) the point at which the sample was taken; and</p> <p>d) the name of the person who collected the sample.</p>	<p>ENVIRON reviewed individual monitoring records (weather, dust, odour, water quality) and associated record procedures for the site and found them to be appropriate. Records of sampling and monitoring events reviewed by ENVIRON record dates, time, sample location and names.</p>	<ul style="list-style-type: none"> <li>■ Monthly Reports – Environmental Monitoring (Including Construction Phase) Jan/Feb 2004 – Dec 2004</li> <li>■ Construction Environmental Management Plan (December 2003)</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		and Oct 2005 and Jan 2006. <ul style="list-style-type: none"> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex Document Control Procedure</li> <li>■ Collex Project Quality Plan</li> <li>■ Monitoring Records (as required)</li> <li>■ Collex Site procedure for 'Monitoring and Sampling of Surface Water'</li> <li>■ Records and Pro Forma 'Surface Water Field Test'</li> <li>■ Records and Pro Forma 'Instrument Calibration'.</li> </ul>	
<p><b>23.</b> The applicant shall obtain an environmental report prepared by a site auditor accredited under the Contaminated Land Management Act 1997 to determine the nature and extent of contamination at the site and any investigation and/or remediation necessary before the land is suitable for commercial/industrial use.</p>	ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of the Site Contamination Management Plan and the subsequent endorsement of the Plan by an EPA-accredited site auditor (Mr. Graeme Nyland – EPA -accredited site auditor 9808).	<ul style="list-style-type: none"> <li>■ Site Contamination Management Plan</li> <li>■ ENVIRON (Mr. Graeme Nyland) Site Audit Statement)</li> <li>■ Collex letter to DIPNR (9<sup>th</sup> Jan 2004) advising of</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>Prior to construction the Applicant shall obtain written endorsement from the site auditor for the following aspects of the Site Contamination Management Plan:</p> <ul style="list-style-type: none"> <li>■ A plan to manage the disturbance of contaminated soil in a manner that protects sub-surface waters from contamination</li> <li>■ A plan to manage dust during the construction and operational stages in a manner that protects the health of on-site and off-site personnel.</li> </ul>		<p>completed Site Audit Statement and subsequent endorsement</p> <ul style="list-style-type: none"> <li>■ DIPNR letter to Collex confirming receipt of required notification under this Consent Condition (no date).</li> </ul>	
<p><b>24.</b> Prior to completion of construction, any amelioration measures required to enable a site audit statement to be issued shall be implemented.</p>	<p>As above (Consent Condition 23)</p>	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 23)</li> </ul>	<p><b>C</b></p>
<p><b>25.</b> The Applicant shall prepare an EMP (Construction Stage) which is specific to the development.</p>	<p>ENVIRON reviewed the Construction Environmental Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> </ul>	<p><b>C</b></p>
<p><b>26.</b> The EMP (Construction Stage) shall be prepared in accordance with the Conditions of this Consent, all Relevant Acts and Regulations and accepted best practice management procedures.</p>	<p>ENVIRON reviewed the Construction Environmental Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> </ul>	<p><b>C</b></p>
<p><b>27.</b> The Applicant must not commence any works until the EMP (Construction Stage) has been completed and submitted to the Director-General.</p>	<p>ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of the Construction Environmental Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Collex letter to DIPNR (17<sup>th</sup> Dec 2003) advising of submission of Construction Environmental Management Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ DIPNR letters to Collex (6<sup>th</sup> Jan 2004) confirming receipt and appropriateness of Construction Environmental Management Plan</li> </ul>	
<p><b>28.</b> The Applicant shall certify the EMP (Construction Stage) as being in accordance with the Conditions of Consent prior to submitting it to the Director-General.</p>	<p>As above (Consent Condition 27).</p>	<p>As above (Consent Condition 27).</p>	<p><b>C</b></p>
<p><b>29.</b> The EMP (Construction Stage) shall be made publicly available.</p>	<p>ENVIRON has reviewed correspondence advising of the placement and subsequent public access (including internet access) of the document to both DIPNR and Auburn Council.</p>	<ul style="list-style-type: none"> <li>■ Collex letter to DIPNR and Auburn Council (29<sup>th</sup> Jan 2004) advising of public access to the Construction Environmental Management Plan.</li> </ul>	<p><b>C</b></p>
<p><b>30.</b> The EMP (Construction Stage) shall include, but is not necessarily limited to, the following plans:</p> <ul style="list-style-type: none"> <li>■ Soil and Water Management Plan</li> <li>■ Construction Noise Management Plan</li> <li>■ Dust Management Plan</li> <li>■ Construction Waste Management Plan</li> </ul>	<p>ENVIRON reviewed the Construction Environmental Management Plan and found it appropriately addresses the requirements of this Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Site Contamination Management Plan</li> <li>■ Landscaping Plan</li> </ul>			
<p><b>31.</b> The Applicant shall address the elements outlined in Attachment 1 of this Consent when preparing the EMP (Construction Stage).</p>	<p>ENVIRON reviewed the Construction Environmental Management Plan and found it appropriately addresses the requirements of this Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> </ul>	<p><b>C</b></p>
<p><b>32.</b> All site personnel (including contractors and subcontractors) during the construction stage must be inducted and trained to ensure compliance with the EMP (Construction Stage).</p>	<p>ENVIRON has reviewed appropriate training and induction records in relation to this Consent Condition and found them appropriate.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> <li>■ Site training and induction records.</li> </ul>	<p><b>C</b></p>
<p><b>33.</b> The Soil and Water Management Plan (SWMP) must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The SWMP must be prepared in accordance with the requirements for such plans outlined in Managing Urban Stormwater: Soils and Construction (available from the Department of Housing).</p>	<p>ENVIRON has reviewed the SWMP and notes that it appropriately addresses Consent Condition requirements in relation to earth works (in order to minimise soil erosion and sediment discharge), staging and maintenance requirements, additionally it meets the requirements outlined in the NSW Department of Housing’s publication Managing Urban Stormwater: Soils and Construction (1998).</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> <li>■ Soil and Water Management Plan (Feb 2004)</li> <li>■ Sediment and Erosion Control Plan (Feb 2004).</li> </ul>	<p><b>C</b></p>
<p><b>34.</b> The Construction Noise Management Plan must address, but is not necessarily limited to, the following issues:</p>	<p>ENVIRON has reviewed the Construction Noise Management Plan and notes that it appropriately addresses Consent Condition</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ compliance standards</li> <li>■ community consultation</li> <li>■ complaints handling monitoring/system</li> <li>■ site contact person to follow up complaints</li> <li>■ mitigation measures, including details of any noise attenuation measures</li> <li>■ the design and operation of the proposed mitigation methods demonstrating best practice</li> <li>■ construction times</li> <li>■ contingency measures where noise complaints are received</li> <li>■ monitoring methods and programs.</li> </ul>	<p>requirements in relation to listed issues.</p>	<p>(December 2003)</p> <ul style="list-style-type: none"> <li>■ Construction Noise Management Plan (Feb 2004)</li> </ul>	
<p><b>35.</b> The Dust Management Plan must include, but not necessarily be limited to, control strategies to achieve compliance with dust emission limits in this Consent and any environment protection licence.</p>	<p>ENVIRON has reviewed the Dust Management Plan and notes that it appropriately addresses Consent Condition requirements.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> <li>■ Dust Management Plan (Feb 2004)</li> <li>■ 2005 Annual Environmental Management Report.</li> </ul>	<b>C</b>
<p><b>36.</b> The Construction Waste Management Plan must include, but not necessarily be limited to, strategies to ensure any waste generated during the</p>	<p>ENVIRON has reviewed the Construction Waste Management Plan and notes that it appropriately addresses Consent Condition</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>construction stage is recycled, reused or disposed of in a lawful manner.</p>	<p>requirements.</p>	<p>(December 2003).</p> <ul style="list-style-type: none"> <li>■ Construction Management Plan (Feb 2004).</li> </ul>	
<p><b>37.</b> The Site Contamination Management Plan must include, but not necessarily be limited to, the following issues that apply to construction stage activities:</p> <ul style="list-style-type: none"> <li>■ A plan to manage the disturbance of contaminated soil in a manner that protects sub-surface waters from contamination</li> <li>■ A plan to manage dust in a manner that protects the health of on-site and off-site personnel</li> </ul>	<p>ENVIRON has reviewed the Site Contamination Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues and activities.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003).</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Site Contamination Management Plan.</li> </ul>	<p><b>C</b></p>
<p><b>38.</b> The Landscaping Plan must include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> <li>■ (a) the recommendations of the Visual Assessment Study in the EIS for landscaping and planting of native species, and</li> <li>■ (b) commitments by the Applicant for an appropriate financial or in-kind contribution towards landscaping the Parramatta Road frontage to soften and screen the access point</li> </ul>	<p>ENVIRON has reviewed the Landscaping Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003).</li> <li>■ Landscaping Management Plan (Feb 2004).</li> <li>■ 2005 Annual Environmental</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
as viewed from Parramatta Road.		Management Report.	
<p><b>39.</b> The Applicant shall prepare an EMP (operation Stage) which is specific to the development</p>	<p>ENVIRON has reviewed the Operational Environmental Management Plan and notes that it appropriately addresses Consent Condition 39.</p> <p>ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of the Operational Environmental Management Plan, within which DIPNR highlighted a number of areas requiring the adoption of a more committed 'procedural' focus by Collex. DIPNR recommendations related to:</p> <ul style="list-style-type: none"> <li>■ Sections within the Introduction and 'General' Plan contents</li> <li>■ Waste Management Plan</li> <li>■ Odour Management Plan</li> <li>■ Dust Management Plan</li> <li>■ Traffic Management Plan</li> <li>■ Vermin and Pest Control Plan</li> <li>■ Stormwater Management Plan</li> <li>■ Site Contamination Plan</li> <li>■ Incident Response Plan</li> </ul>	<ul style="list-style-type: none"> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Operational Environmental Management Plan</li> <li>■ Collex letter to DIPNR (8<sup>th</sup> June 2004) containing submission of Operational Environmental Management Plan</li> <li>■ DIPNR letter to Collex (no date) advising of receipt and recommendations in relation to Operational Environmental Management Plan.</li> </ul>	<p><b>C</b></p>



Consent Condition	Audit Findings	Reference Documents	Finding
	<ul style="list-style-type: none"> <li>■ Noise Management Plan (Rail Operations)</li> </ul> <p>It is noted that Collex incorporated DIPNR concerns within the July 2004 revision of the Operational Environmental Management Plan.</p>		
<p><b>40.</b> The EMP (Operation Stage) shall be prepared in accordance with the Conditions of this Consent, all relevant Acts and Regulations and accepted best practice management procedures.</p>	<p>ENVIRON has reviewed the Operational Environmental Management Plan and notes that it appropriately addresses Consent Condition 40.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>41.</b> The EMP (Operation Stage) shall include, but is not necessarily limited to, the following plans:</p> <ul style="list-style-type: none"> <li>■ Waste Management Plan</li> <li>■ Odour Management Plan</li> <li>■ Dust Management Plan</li> <li>■ Traffic Management Plan (includes monitoring and enforcement of “left turn only”)</li> <li>■ Vermin and Pest Control Plan (includes housekeeping measures)</li> <li>■ Stormwater Management Plan</li> <li>■ Site Contamination Management Plan</li> <li>■ Incident Response Plan</li> <li>■ Noise Management Plan</li> </ul>	<p>ENVIRON has reviewed the current Operational Environmental Management Plan and notes that it appropriately addresses Consent Condition 41.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan.</li> </ul>	<p><b>C</b></p>
<p><b>42.</b> The Applicant shall address the elements outlined in</p>	<p>ENVIRON reviewed the current Operational</p>	<ul style="list-style-type: none"> <li>■ Operational</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
Attachment 1 of this Consent when preparing the EMP (Operation Stage).	Environmental Management Plan and found it appropriately addresses the requirements of this Consent Condition.	Environmental Management Plan.	
<b>43.</b> The Applicant must not accept any uncontainerised waste at the premises until the EMP (Operation Stage) has been approved by the Director-General.	ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of the Operational Environmental Management Plan. As discussed a revised Plan was submitted (within supporting information) to DIPNR in July 2004, who approved (conditional on a six monthly review) on the 11 <sup>th</sup> August 2004.	<ul style="list-style-type: none"> <li>■ DIPNR letter to Collex (11<sup>th</sup> August 2004) advising of approval of updated Operational Environmental management Plan.</li> </ul>	<b>C</b>
<b>44.</b> The Applicant shall certify the EMP (Operation Stage) as being in accordance with the Conditions of Consent prior to seeking approval of the Director-General.	See Above (Consent Condition 43)	See Above (Consent Condition 43)	<b>C</b>
<b>45.</b> All site personnel (including contractors and subcontractors) during the operational stage must be inducted and trained to ensure compliance with the approved EMP (Operation Stage).	ENVIRON has reviewed appropriate training and induction records in relation to this Consent Condition and found them appropriate.	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ 2005 Site training and induction records.</li> </ul>	<b>C</b>
<b>46.</b> The approved EMP (Operation Stage) shall be made publicly available on request to the Applicant.	Collex is aware of the requirements of this Consent Condition.	<ul style="list-style-type: none"> <li>■ Historical and 2005 Consultative Committee Minutes.</li> </ul>	<b>C</b>
<b>47.</b> The Waste Management Plan must address, but is not necessarily limited to, the following issues:	ENVIRON has reviewed the Waste Management Plan and notes that it	<ul style="list-style-type: none"> <li>■ Operational Environmental</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Procedures for inspecting and recording each load of uncontainerised waste received at the terminal and for separating and disposing of any component of the waste that is not permitted to be accepted</li> <li>■ Priority waste handling given to the most offensive wastes, otherwise “first in/first out” waste handling</li> <li>■ Procedures for cleaning vehicles before they leave the premises in a manner that prevents the tracking of waste from the premises</li> <li>■ An education program for all drivers of waste vehicles using the site, about waste types permitted to be received at the premises and the need to ensure their vehicle does not track waste from the premises</li> <li>■ The inclusion of conditions in contracts with waste transporters addressing acceptable waste types and punitive measures for non-compliances</li> <li>■ An enforcement program to be maintained for the duration of the development which includes the imposition of punitive measures for delivering unacceptable waste types</li> <li>■ Procedures for minimising wind blown litter from leaving the premises and for regular patrols of surrounding areas to collect any litter that has been carried from the premises</li> </ul>	<p>appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Management Plan</li> <li>■ Waste Management Plan.</li> </ul>	

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Procedures for preventing wash down waters and any other liquid that has been in contact with waste from entering the stormwater system</li> <li>■ An operational contingency plan to be implemented in the event of equipment failure, industrial action or other situation that prevents the containerisation of waste that has been in the terminal building in excess of 18 hours</li> <li>■ Fire management procedures including the management of fire water in a manner that will not pollute waters.</li> </ul>			
<p><b>48.</b> The Odour Management Plan must address, but is not necessarily limited to, the following issues:</p> <ul style="list-style-type: none"> <li>■ Procedures for the management of waste at the premises at all times to minimise the generation of odours.</li> <li>■ Protocols for the operation of the odour control mechanisms for the terminal building, including the forced air extraction and odour filtration system, to minimise the risk of any adverse impact on surrounding commercial and residential areas.</li> <li>■ Procedures for the maintenance and repair of the forced air extraction and odour filtration system on the terminal building, including the replacement of the dust filters and odour adsorption material</li> </ul>	<p>ENVIRON has reviewed the Odour Management Plan, reporting and on site practices, strategies and improvements for the review period. Environ notes that Collex has undertaken studies in response to on site difficulties meeting EPL and CoC limits for odour (refer Audit II –V).</p> <p>ENVIRON notes that Collex has responded proactively to the identified odour management issues within the review period. Collex presented and consulted widely (DEC, DoP, Auburn City Council and the Clyde Transfer Terminal CCC. At present, Collex is awaiting a final decision (and approvals) with regard to proposed Odour management Plan changes. ENVIRON considers this appropriate (refer to</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Odour Management Plan</li> <li>■ Odour Audit I &amp; II (Performed by Vipac Engineers and Scientists) December 04 and April 05.</li> <li>■ Odour Audit III (Vipac September 2005), Odour Performance Study(Vipac)</li> <li>■ Odour Audit IV (Vipac February 2006)</li> </ul>	<p><b>I</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Criteria to be utilised to determine when the replacement of dust filters and odour adsorption material for the terminal building is to be carried out.</li> <li>■ An emission monitoring program designed to determine the odour generation rates from the waste in the terminal building and to establish the capture and removal efficiency of the forced air extraction and odour filtration system and appropriate equipment maintenance schedules for replacement of dust filters and odour adsorption material. The program is to include odour emission monitoring using dynamic olfactometry in such a way as to allow determination of the performance of the odour control system with and without each component of the forced air extraction and odour filtration system in operation.</li> <li>■ An odour audit program which provides for a comprehensive odour audit of the premises and nearby commercial and residential areas, by an independent, appropriately qualified and experienced person, to be conducted 3-monthly for the initial 24 months of receiving uncontainerised waste at the terminal, and 6-monthly thereafter, unless otherwise approved in writing by the Director-General.</li> <li>■ An operational contingency plan to be</li> </ul>	<p>recommendations of Odour Audit V below).</p> <p>During the 2005 review period Collex undertook the required odour audits and performance studies (Odour Audit II-V).</p> <p>Odour Audit II (period covered December 04 – February 05) identified two non-conformances with regard to odour minimisation and fugitive odour emissions; this resulted in a review of potential contributing factors and on site odour management procedures. The recommendations of this review were incorporated appropriately into standard operating procedures.</p> <p>Odour Audit III (period covered (March – May 2005) noted improvements in on site practices and reported the detection of fugitive emissions.</p> <p>Odour Audit IV (period covered June – August 2005) recommended strategies to reduce fugitive emissions (increased fans speed and sealing of breezeways); it was noted that the odour emission rates are dependent on age and composition of waste.</p> <p>Odour Audit V (period covered September – December 2005) also incorporated an</p>	<ul style="list-style-type: none"> <li>■ Odour Audit V ( Total Odour Unit - <i>Odour Mitigation Study</i>)</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex letter to EPA – Sydney Waste, dated 15 April 2005, discussing high Odour results.</li> <li>■ Collex letter to DIPNR, dated 15 April 2005, advising of high odour results.</li> <li>■ DIPNR letter to Collex, dated 12 Sept 2005, regarding odour monitoring.</li> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005, regarding odour monitoring.</li> <li>■ Report on Odour Adsorption and Suppression System (Bassett) May 2005.</li> </ul>	

Consent Condition	Audit Findings	Reference Documents	Finding
<p>initiated in the event of equipment failure, industrial action or any other situation that prevents the containerisation of any waste that has been in the terminal building in excess of 18 hours. Such a plan shall include suspending the acceptance of further uncontainerised waste at the premises.</p> <ul style="list-style-type: none"> <li>■ A testing program designed to determine appropriate maintenance schedules for replacement of odour adsorption material in the pressure relief vents of the waste containers.</li> <li>■ Procedures for the maintenance and repair of the odour adsorption and pressure relief vents of the waste containers, including the replacement of the odour adsorption material; and</li> <li>■ A community consultation program on odour. The community consultation program may include a community survey, to be developed in conjunction with the community consultative committee.</li> </ul>	<p>odour mitigation study. It was reported, based upon the acquired dispersion modelling results, that the existing stacks do not have sufficient elevation above the roof height in order to provide adequate initial dispersion and prevent plume downwash effects. The report concluded that the instillation of a single large stack with 15 air charges per hour would be recommended to disperse emissions more effectively.</p>		
<p><b>49.</b> The Dust Management Plan must include, but not necessarily be limited to, control strategies to achieve compliance with dust emission limits in this Consent and any environment protection licence.</p>	<p>ENVIRON has reviewed the Dust Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan.</li> <li>■ Dust Management Plan.</li> <li>■ EPL Site Licence.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>50.</b> The Traffic Management Plan must address, but is not necessarily limited to, the following issues:</p> <ul style="list-style-type: none"> <li>■ An education program for all drivers and owners of waste vehicles using the site, about the “left turn only” restrictions on entering and leaving the premises via Parramatta Road</li> <li>■ A monitoring and recording program to identify and record any waste vehicle and its driver that breaches the “left turn only” restriction upon entering or leaving the premises via Parramatta Road.</li> <li>■ An education program for all drivers and owners of waste vehicles using the site, about the waste transport routes permitted to be used in the vicinity of the development</li> <li>■ A monitoring and recording program to identify and record any waste vehicle and its driver that breaches the permitted transport routes</li> <li>■ An enforcement program including the imposition of identified punitive measures against any driver or vehicle owner whenever the above restrictions are breached</li> <li>■ Contracts with waste transporters to include conditions addressing entry and exit restrictions and permissible waste transport routes and punitive measures for non-compliances.</li> </ul>	<p>ENVIRON has reviewed the Traffic Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p> <p>It is noted that a Traffic Impact Assessment was prepared by Maunsell in October 2005 for the facility</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan.</li> <li>■ Traffic Management Plan.</li> <li>■ Clyde Waste Transfer Terminal Traffic Assessment October 2005 (Maunsell).</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Measures to minimise trucks and other heavy vehicles from entering or exiting the premises between the following hours: 10pm and 5am Mondays to Saturdays; 10pm and 7am Sundays and public holidays.</li> </ul>			
<p><b>51.</b> The Vermin and Pest Control Plan must address, but is not necessarily limited to, the following issues:</p> <ul style="list-style-type: none"> <li>■ Removing all waste from the tipping areas at the end of each day</li> <li>■ Cleaning up all waste tipping and handling areas at the end of each day</li> <li>■ Regular cleaning of catch drains and drainage sumps</li> <li>■ Minimising onsite waste storage and handling</li> <li>■ Maintaining any bird deterrent measures such as hanging wires</li> <li>■ Routine inspection and action for potential vector habitats</li> <li>■ Using commercial vector control specialists</li> <li>■ Conducting routine litter patrols to collect trash on site, around the perimeter, on immediately adjacent properties and on approach roads.</li> </ul>	<p>ENVIRON has reviewed the Vermin and Pest Control Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Vermin and Pest Control Management Plan.</li> </ul>	<p><b>C</b></p>



Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>52.</b> The Stormwater Management Plan must describe the post construction measures to be employed to operate and maintain the stormwater controls at the premises in a manner that minimises the pollution of waters.</p>	<p>ENVIRON has reviewed the Stormwater Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Stormwater Management Plan.</li> </ul>	<p><b>C</b></p>
<p><b>53.</b> The Site Contamination Management Plan must include any actions recommended in the environmental report by the site auditor that apply to operation stage activities.</p>	<p>ENVIRON has reviewed the Site Contamination Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Site Contamination Management Plan.</li> </ul>	<p><b>C</b></p>
<p><b>54.</b> The Noise Management Plan shall be drafted in consultation with the rail operator for operation of the rail siding adjacent to the waste packaging terminal for the rail haulage services for Collex. The plan is to be submitted to Auburn Council. The plan must address the objective of mitigating operational rail noise from operations directly attributable to the loading and unloading of containers and associated rail operation on the siding adjacent to the Collex terminal, relating to the movement of containers from the Collex packing terminal.</p> <p>The plan must also identify reasonable noise mitigation strategies:</p> <ul style="list-style-type: none"> <li>■ Upgrade to hardstand areas utilised for loading and unloading of trains and rail track upgrade where feasible;</li> <li>■ Resurfacing of hardstand area with appropriate</li> </ul>	<p>ENVIRON has reviewed the Noise Management Plan and notes that it appropriately addresses Consent Condition requirements in relation to listed issues.</p> <p>Further information on noise management at the facility is discussed at consent condition 112 within this report.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Noise Management Plan</li> <li>■ Letter from Collex to Auburn Council (8 June 2004) regarding appropriate submission of Noise Management Plan.</li> <li>■ Letter to Collex from Hyder Consulting (1 April 2005) regarding Vehicle Noise Assessment.</li> <li>■ Collex letter to Auburn Council (1 April 2005)</li> <li>■ Letter from Collex to</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>noise mitigation materials;</p> <ul style="list-style-type: none"> <li>■ Track repair and realignment where feasible and appropriate to minimise forklift travel having regard for other rail operations and heritage issues;</li> <li>■ Container management protocols to minimise movement and handling of containers with an emphasis on noise mitigation;</li> <li>■ Identification and utilisation of forklifts to minimise noise impacts and implement measures to minimise use of reversing alarms at night;</li> <li>■ Establishment of a noise complaints procedure;</li> <li>■ Investigating the scheduling of trains outside critical hours subject to metropolitan curfew, Rail Infrastructure Corporation slot management and rail operational considerations;</li> <li>■ Ongoing community consultation; and</li> <li>■ Employee education in noise mitigation practices.</li> </ul>		<p>Auburn Council (23 June 2005) relating to vehicular noise emissions.</p> <ul style="list-style-type: none"> <li>■ Letter from Collex to Auburn Council (19 September 2005) relating to vehicular noise emissions.</li> </ul>	
<p><b>55.</b> The Applicant shall employ or contract a suitably qualified Environmental Management Representative (EMR) throughout the duration of the development. The EMR shall:</p> <p>(a) be the principle person responsible for overseeing environmental management of the development and supervision of environmental services</p>	<p>ENVIRON has reviewed appropriate communications and records in relation to the appointment of Ms Evelyn Melinis as EMR for the facility.</p>	<ul style="list-style-type: none"> <li>■ DIPNR (DoP) Letter to Collex (17<sup>th</sup> January 2006).</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>(b) have the authority to stop work if an adverse impact on the environment has occurred or is likely to occur</p> <p>(c) be responsible for the certification of all environmental management plans and procedures</p> <p>(d) be responsible for considering and advising on matters specified in the Conditions of Consent and compliance with such matters</p> <p>(e) oversee the receipt of, and response to, complaints about the environmental performance of the development</p> <p>(f) be present on-site during any critical construction or operational activity as defined in the relevant Environmental Management Plan</p> <p>(g) be a member of the Community Consultative Committee for the development.</p>			
<p><b>56.</b> The Applicant shall prepare and implement a detailed Environmental Monitoring Program for the proposed development. The program shall include, but is not necessarily limited to, all the monitoring required by this Consent, the environment protection licence, the EMP (Construction Stage) and the EMP (Operation Stage) for the development. The program must:</p> <ul style="list-style-type: none"> <li>■ Identify the environmental issues to be monitored</li> <li>■ For each issue, indicate whether its monitoring is required by this Consent, the environment protection licence, the EMP (Construction</li> </ul>	<p>ENVIRON has reviewed the Monitoring program for the development against Consent Condition requirements and found monitoring activities to be appropriate and well managed on site.</p>	<ul style="list-style-type: none"> <li>■ Dust Monitoring Locations</li> <li>■ Noise Monitoring locations</li> <li>■ Surface Water Monitoring Locations</li> <li>■ Operational Environmental Management Plan</li> <li>■ Monthly Reports – Environmental Monitoring (Including Construction Phase) Jan/Feb 2004 –</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>Stage), the EMP (Operation Stage), or by another instrument</p> <ul style="list-style-type: none"> <li>■ Set standards and performance measures for each issue</li> <li>■ Describe in detail how each issue is to be monitored, who will conduct the monitoring, how often the monitoring will be conducted, and how the results of the monitoring will be recorded and reported to the Director-General and other relevant authorities.</li> <li>■ Indicate the actions taken and procedures to be followed if any non-compliance is detected.</li> </ul>		<p>Dec 2004</p> <ul style="list-style-type: none"> <li>■ Construction Environmental Management Plan (December 2003)</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex Project Quality Plan(Construction).</li> <li>■ Monitoring Records (as required)</li> <li>■ Collex Site procedure for ‘Monitoring and Sampling of Surface Water’</li> <li>■ Records and Pro Forma ‘Surface Water Field Test’</li> <li>■ Records and Pro Forma ‘Instrument Calibration’</li> </ul>	
<p><b>57.</b> All monitoring required by this Consent must be:</p> <ul style="list-style-type: none"> <li>■ conducted by suitably qualified persons approved by the Director-General</li> </ul>	<p>ENVIRON has reviewed appropriate communications and records in relation to the appointment of Ms Evelyn Melinis As</p>	<ul style="list-style-type: none"> <li>■ DIPNR (DoP) Letter to Collex (17<sup>th</sup> January 2006).</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ conducted in accordance with established standards and protocols</li> <li>■ reported annually in the Annual Environmental Management Report.</li> </ul>	responsible for monitoring requirements.		
<p><b>58.</b> The Applicant shall include a report on the Environmental Monitoring Program in the Annual Environmental Management Report. The report must:</p> <ul style="list-style-type: none"> <li>■ summarise the results from the Environmental Monitoring Program over the previous year</li> <li>■ analyse the results in relation to both past performance, and the relevant standards and performance measures of the development</li> <li>■ identify any emerging trends in the data over the life of the development</li> <li>■ include a copy of the detailed monitoring results as an attachment.</li> </ul>	ENVIRON has reviewed the monthly, quarterly and recently submitted 2005 Annual Management Report. Annual Management Report and submitted monitoring results were considered appropriate.	<ul style="list-style-type: none"> <li>■ Clyde Transfer Terminal 2005 Annual Environmental Management Report.</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> </ul>	<b>C</b>
<p><b>59.</b> Between twelve and fourteen months after the issue date of an environment protection licence for the Development, and annually thereafter for the duration of the development, the Applicant shall submit an Annual Environmental Management Report to the Director-General, the EPA and the Community Consultative Committee. The report shall be made available to the public on request to the Applicant. The report may be combined with the Annual Return required by the environment protection licence to be</p>	As outlined above (Consent Condition 58).	<ul style="list-style-type: none"> <li>■ Clyde Transfer Terminal 2005 Annual Environmental Management Report.</li> <li>■ Quarterly Reports – (Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>submitted to the EPA. The report must:</p> <ul style="list-style-type: none"> <li>■ identify all the standards, performance measures, and statutory requirements the development is required to comply with</li> <li>■ review the environmental performance of the development to determine whether it is complying with the standards, performance measures, and statutory requirements</li> <li>■ identify each occasion during the previous year when the standards, performance measures, or statutory requirements have not been complied with</li> <li>■ where any non-compliance is identified, describe the actions or measures taken to ensure compliance, who is responsible for carrying out the actions, and when the actions were (or will be) implemented</li> <li>■ include a summary of any complaints made about the development, and indicate the actions taken to address the complaints</li> <li>■ include a report on the Environmental Monitoring Program as specified in this Consent.</li> </ul>		<ul style="list-style-type: none"> <li>■ 2005 Community Consultation Committee Minutes.</li> </ul>	
<p><b>60.</b> Every year following the date of this consent, or at periods otherwise agreed to by the Director-General, and until such time as agreed to by the Director-General, the Applicant shall arrange for an independent audit of the environmental performance</p>	<p>Audit conducted on the 16<sup>th</sup> May 2006 by Andrew Houston. The Audit was conducted pursuant to ISO 14010 and ISO 14011.</p> <p>ENVIRON's IEA Report (June 2005) assessed and provided comment in relation the</p>	<ul style="list-style-type: none"> <li>■ DIPNR letter to Collex (24<sup>th</sup> March 2005) advising approval of Andrew Houston as independent auditor.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>of the development. The audits shall:</p> <p>(a) be conducted pursuant to ISO 14010 – Guidelines and General Principles for Environmental Auditing, ISO 14011 – Procedures for Environmental Monitoring and any specifications of the Director-General;</p> <p>(b) be conducted by a suitably qualified independent person approved by the Director-General;</p> <p>(c) assess compliance with the requirements of this consent;</p> <p>(d) assess the implementation of the EMP (Construction) and EMP (Operation) and review the effectiveness of the environmental management of the development; and</p> <p>(e) be carried out at the Applicants' expense.</p> <p>(f) the audits shall be submitted to the Director-General. The Applicant shall comply with all reasonable requirements of the Director-General in respect of any measures arising from or recommended by the audits and within such time as agreed to by the Director-General.</p>	<p>implementation of the EMP for Construction within the responses to Consent Conditions 1, 3, 16, 17, 25-27 and 30-38. In the subsequent review period no construction activities have taken place on site, ENVIRON has reviewed consent conditions in relation to construction activities and has found environmental performance/management on site to be appropriate for the current period also.</p> <p>During this review period audit ENVIRON has assessed and provided comment in relation to the implementation of the EMP for the Operation of the facility within the responses to Consent Conditions 5-9, 12, 20-23, 39-58 and 62-136. As part of the audit process ENVIRON reviewed the effectiveness of Environmental Management of the development during the operational phase and found it be satisfactory, with only one non compliance noted (Condition 112) relating to noise testing at the facility. Opportunities for improvement were identified within Consent Conditions 48 and 130-132; in these areas Collex are awaiting further advice and approvals.</p>		
<p><b>61.</b> The results of all monitoring and auditing required by this Consent must be made publicly available at the same time they are submitted to the Director-General.</p>	<p>COLLEX is aware of this Condition and make monitoring and audit results available through the Annual Report and Community</p>	<p>■ 2005 Clyde Transfer Terminal Annual Management Report</p>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
	Consultation Committee meetings.	<ul style="list-style-type: none"> <li>■ 2005 Community Consultation Committee Minutes</li> </ul>	
<p><b>62.</b> The Applicant must not cause, permit or allow any waste generated outside the premises to be received at the premises unless permitted to do so by an environment protection licence.</p>	ENVIRON has reviewed site operations and procedures in relation to waste acceptance and management against this Condition and did not identify any non-compliances.	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> </ul>	<b>C</b>
<p><b>63.</b> The Applicant must ensure that waste received at the premises is restricted to inert and solid waste as defined in Schedule 1, Part 3 of the Protection of the Environment Operations Act 1997 or is assessed as inert waste or solid waste following the technical assessment procedure outlined in Technical Appendix 1 of the Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes (EPA, 1999).</p>	ENVIRON has reviewed site operations and procedures in relation to waste acceptance and management against this Condition and did not identify any non-compliances.	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> </ul>	<b>C</b>
<p><b>64.</b> No waste shall be removed from the premises except:</p> <ul style="list-style-type: none"> <li>■ construction waste arising from activities during the construction stage of the development</li> </ul>	ENVIRON has reviewed site operations and procedures in relation to general site management activities and waste acceptance and management against this	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<b>C</b>



Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ waste in sealed shipping containers to be transported by rail for disposal at the Woodlawn Bioreactor</li> <li>■ small quantities of waste not permitted by the EPL to be received at the terminal, that have been separated out from the incoming waste stream through a documented operational procedure of regular waste inspections and associated control measures: these wastes are to be disposed of to a lawful waste facility</li> <li>■ waste generated from onsite activities such as plant maintenance and repairs, that is not suitable for acceptance at the Woodlawn Bioreactor: these wastes are to be disposed of to a lawful waste facility</li> <li>■ wastewater generated onsite: these wastes are to be disposed of to sewer</li> <li>■ leachate generated from the onsite management of waste: these wastes are to be disposed of to sewer or a lawful liquid waste treatment plant</li> <li>■ recyclable materials generated from the onsite office: these wastes are to be directed to a suitable recycling facility.</li> </ul>	<p>Condition and did not identify any non-compliances.</p>	<ul style="list-style-type: none"> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> <li>■ Stormwater Maintenance Procedure</li> </ul>	
<p>65. The Applicant shall implement the approved Waste Management Plan to the satisfaction of the Director-General.</p>	<p>ENVIRON has reviewed the implementation of the Waste Management Plan against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> </ul>	
<p><b>66.</b> The Applicant will not accept asbestos at the premises. The Waste Management Plan must make provision for identification of asbestos in waste not knowingly received at the premises and for the proper and safe disposal of any asbestos so identified.</p>	<p>ENVIRON has reviewed the implementation of the Waste Management Plan and Exclusion of Asbestos Procedure against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> <li>■ Exclusion of Asbestos Procedure</li> </ul>	<b>C</b>
<p><b>67.</b> Records shall be made and maintained of each load of waste entering the premises, including the identification of the vehicle, weight, nature and origin of</p>	<p>ENVIRON has reviewed the implementation of the Waste Management Plan against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
the waste received, and whether the waste was received in pre-packaged shipping containers or for on-site containerisation.		<ul style="list-style-type: none"> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> </ul>	
<p><b>68.</b> Records shall be made and maintained of any waste leaving the premises by motor vehicle, including the identification of the vehicle, and the weight, classification and destination of the waste.</p>	<p>ENVIRON has reviewed the implementation of the Waste Management Plan against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> </ul>	<b>C</b>
<p><b>69.</b> Records shall be made and maintained of all events involving the removal of any waste received at the premises which is not permitted to be accepted at the premises.</p>	<p>ENVIRON has reviewed the implementation of the Waste Management Plan against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ 2005 Site waste screening and rejection procedures.</li> <li>■ 2005 Staff training and induction records</li> <li>■ 2005 Site Incident and Complaints Registers</li> <li>■ Non Conforming Waste Procedure</li> </ul>	
<p><b>70.</b> The forced air extraction and odour filtration system shall be capable of operating in a proper and efficient manner under continuous duty.</p>	<p>ENVIRON notes that on the 15 April 2005 Collex reported monitoring events on the 15 and 16 March 2005 which resulted in odour emission rates that were above the limit in Condition 86 of the consent.</p> <p>Collex has identified and implemented both short term and longer term actions to address this issue at the facility; both DIPNR (DoP) and the EPA/DEC have been involved in the development of this response. Proposed changes to improve odour monitoring are still currently under review.</p> <p>ENVIRON has reviewed the Odour Management Plan, within the Operational Environmental Management Plan, Odour monitoring records, on site management practices in relation to odour, system design</p>	<ul style="list-style-type: none"> <li>■ Quarterly Reports – Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex letter to EPA – Sydney Waste, dated 15 April 2005, discussing high Odour results.</li> <li>■ Collex letter to DIPNR, dated 15 April 2005, advising of high odour results.</li> <li>■ DIPNR letter to Collex, dated 12 Sept 2005,</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
	<p>considerations and the maintenance of the air extraction and odour filtration system against the requirements of this Condition and considers site activities and management appropriate.</p>	<p>regarding odour monitoring.</p> <ul style="list-style-type: none"> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005, regarding odour monitoring.</li> <li>■ Report on Odour Adsorption and Suppression System (Basset) May 2005.</li> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Odour Monitoring Locations and results</li> <li>■ Odour Minimising Procedure</li> </ul>	
<p><b>71.</b> The forced air extraction and odour filtration system shall apply forced ventilation to the building in such a way that odours and dust are efficiently contained within the building and that before discharge to atmosphere ventilation air is filtered to remove fine particles efficiently and passed through an activated carbon absorber (or equivalent process) to remove odours efficiently.</p>	<p>ENVIRON has reviewed system design correspondence and odour monitoring results and considers Collex's on site of odour issues in relation to this Condition appropriate.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Odour Monitoring Locations and results</li> <li>■ Odour Minimising</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<p>Procedure</p> <ul style="list-style-type: none"> <li>■ DIPNR letter to Collex (5<sup>th</sup> October 2003) confirming appropriateness of 'Odour System Design'</li> <li>■ Quarterly Reports – Environmental Monitoring) Jan, Apr, July and Oct 2005 and Jan 2006.</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Collex letter to EPA – Sydney Waste, dated 15 April 2005, discussing high Odour results.</li> <li>■ Collex letter to DIPNR, dated 15 April 2005, advising of high odour results.</li> <li>■ DIPNR letter to Collex, dated 12 Sept 2005, regarding odour monitoring.</li> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005,</li> </ul>	

Consent Condition	Audit Findings	Reference Documents	Finding
		regarding odour monitoring. <ul style="list-style-type: none"> <li>■ Report on Odour Adsorption and Suppression System (Bassett) May 2005.</li> </ul>	
<p><b>72.</b> The design of the forced air extraction and odour filtration system shall be approved by the Director-General prior to the acceptance of any uncontainerised waste at the premises.</p>	ENVIRON has reviewed correspondence between Collex and DIPNR in relation to the notification and subsequent approval of the forced air extraction and odour filtration system.	<ul style="list-style-type: none"> <li>■ DIPNR letter to Collex (5<sup>th</sup> October 2003) confirming appropriateness of 'Odour System Design'</li> <li>■ See 71 above.</li> </ul>	<b>C</b>
<p><b>73.</b> The Applicant shall implement the approved Odour Management Plan to the satisfaction of the Director-General.</p>	ENVIRON has reviewed the implementation of the Odour Management Plan against this Condition and considers it appropriate.	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Odour Monitoring Locations and results</li> <li>■ Odour Minimising Procedure</li> <li>■ DIPNR letter to Collex (5<sup>th</sup> October 2003) confirming appropriateness of 'Odour System Design'</li> </ul>	<b>C</b>
<p><b>74.</b> The Applicant must not cause or permit the emission of offensive odours from the premises, as defined under</p>	ENVIRON notes that on the 15 April 2005 Collex reported monitoring events on the 15	<ul style="list-style-type: none"> <li>■ Operational Environmental</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>section 129 of the Protection of the Environment Operations Act 1997.</p>	<p>and 16 March 2005 which resulted in odour emission rates that were above the limit in Condition 86 of the consent.</p> <p>Collex has identified and implemented both short term and longer term actions to address this issue at the facility; both DIPNR and the EPA/DEC have been involved in the development of this response. Proposed changes to improve odour monitoring are still currently under review.</p> <p>ENVIRON has reviewed system design correspondence and odour monitoring results and considers Collex's on site of odour issues in relation to this Condition appropriate (refer Condition 48)</p>	<p>Management Plan</p> <ul style="list-style-type: none"> <li>■ Odour Monitoring Locations and results</li> <li>■ Odour Minimising Procedure</li> <li>■ DIPNR letter to Collex (5<sup>th</sup> October 2003) confirming appropriateness of 'Odour System Design'</li> </ul>	
<p><b>75.</b> The Applicant is not permitted to use deodorisers for odour control at the premises, unless otherwise approved by the Director-General.</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>76.</b> The Applicant shall operate the forced air extraction and odour filtration system whenever waste is contained within the building, unless otherwise approved by the Director General.</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>77.</b> Following at least six months of receiving uncontainerised waste at the development, the</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational</li> </ul>	<p><b>C</b></p>



Consent Condition	Audit Findings	Reference Documents	Finding
<p>Applicant may make a proposal to the Director-General to conduct odour performance testing of the terminal building with and without the forced air extraction and odour filtration system in operation, as described in the Odour Emission Monitoring Program of the Odour Management Plan. The proposal must be prepared in consultation with the Community Consultative Committee and the EPA. The odour performance testing must not be carried out except with the written approval of the Director-General.</p>		<p>Environmental Management Plan</p>	
<p><b>78.</b> The results of any odour performance testing conducted in accordance with the conditions of this Consent Must be submitted to the Community Consultative Committee, the EPA, the Director-General and be made publicly available, within 8 weeks of the testing having been completed.</p>	<p>COLLEX is aware of this Condition and make monitoring and audit results available through the Annual Report and Community Consultation Committee meetings. The EPA and Director General are informed as required by EPA Site licence and Consent Conditions</p>	<ul style="list-style-type: none"> <li>■ 2005 Clyde Transfer Terminal Annual Management Report</li> <li>■ 2005 Community Consultation Committee Minutes.</li> </ul>	<p><b>C</b></p>
<p><b>79.</b> The results of any odour performance testing conducted in accordance with the conditions of this Consent may be submitted to the Director-General together with a proposal to vary the continuous operation of the forced air extraction and odour filtration system. The proposal must be prepared in consultation with the Community Consultative Committee and the EPA. Any variation to the continuous operation of the forced air extraction and odour filtration system must not be carried out except with the written approval of the Director- General.</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Collex letter to EPA – Sydney Waste, dated 15 April 2005, discussing high Odour results.</li> <li>■ Collex letter to DIPNR, dated 15 April 2005, advising of high odour</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
		<p>results.</p> <ul style="list-style-type: none"> <li>■ DIPNR letter to Collex, dated 12 Sept 2005, regarding odour monitoring.</li> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005, regarding odour monitoring.</li> <li>■ Report on Odour Adsorption and Suppression System (Bassett) May 2005.</li> </ul>	
<p><b>80.</b> All odour monitoring and management plans shall be made available to the public on request to the Applicant.</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>81.</b> Any containerised waste shall not be exposed to the atmosphere at the site, except via a pressure release mechanism and odour filtration system on a container maintained and operated in accordance with the Conditions of this Consent.</p>	<p>Collex is aware of this Condition and on site actions are in compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Transfer Terminal Container Maintenance Procedure.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>82.</b> The design of the pressure release mechanism and odour filtration system on the waste containers shall be approved by the Director-General prior to the acceptance of any uncontainerised waste at the premises.</p>	<p>ENVIRON has sighted correspondence between Collex and Director Generals Office demonstrating that the pressure release mechanism and odour filtration system on the waste containers is considered appropriate.</p> <p>On site container system was observed to be functioning appropriately.</p>	<ul style="list-style-type: none"> <li>■ Collex letter to DIPNR (23<sup>rd</sup> April and 30<sup>th</sup> October 2003) regarding ventilation design</li> <li>■ DIPNR approval of design in response to Consent Condition (5th Oct 2003).</li> </ul>	<p><b>C</b></p>
<p><b>83.</b> Any waste that has been packed into containers on the site shall not be re-exposed to the atmosphere at the site, except via a pressure release mechanism and odour filtration system on a container maintained and operated in accordance with the Conditions of this Consent.</p>	<p>ENVIRON reviewed packing process on site and found established site practices to be in compliance with this Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational Environmental Management Plan</li> <li>■ Transfer Terminal Container Maintenance Procedure and Packing Procedures.</li> </ul>	<p><b>C</b></p>
<p><b>84.</b> The design parameters for the discharge points specified in the table below* must meet the requirements specified in the table. All discharge points shall be designed in accordance with good engineering practice in order to minimise the effects of downwash and building wake effects on ground-level air pollutant concentrations.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here</i></p>	<p>Discharge points were observed to be in compliance with this Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Odour Audit I &amp; II (Performed by Vipac Engineers and Scientists) December 04 and April 05.</li> </ul>	<p><b>C</b></p>
<p><b>85.</b> The following points referred to in the table below* are identified for the purposes of monitoring and/or the</p>	<p>ENVIRON observed that monitoring was undertaken as required by this Consent</p>	<ul style="list-style-type: none"> <li>■ Odour Management Plan</li> <li>■ Operational</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>setting of limits for the emission of pollutants to the air from the point.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here</i></p>	<p>Condition.</p> <p>ENVIRON notes that on the 15 April 2005 Collex reported monitoring events on the 15 and 16 March 2005 which resulted in odour emission rates that were above the limit in Condition 86 of the consent.</p> <p>Collex has identified and implemented both short term and longer term actions to address this issue at the facility; both DIPNR and the EPA/DEC have been involved in the development of this response. Proposed changes to improve odour monitoring are still currently under review (refer also to Condition 48).</p>	<p>Environmental Management Plan</p> <ul style="list-style-type: none"> <li>■ Odour Audit I &amp; II (Performed by Vipac Engineers and Scientists) December 04 and April 05.</li> <li>■ Odour Audit III (Vipac September 2005), Odour Performance Study(Vipac)</li> <li>■ Odour Audit IV (Vipac February 2006)</li> <li>■ Odour Audit V ( Total Odour Unit - <i>Odour Mitigation Study</i>)</li> <li>■ Collex letter to EPA – Sydney Waste, dated 15 April 2005, discussing high Odour results.</li> <li>■ Collex letter to DIPNR, dated 15 April 2005, advising of high odour results.</li> <li>■ DIPNR letter to Collex, dated 12 Sept 2005, regarding odour</li> </ul>	

Consent Condition	Audit Findings	Reference Documents	Finding
		monitoring. <ul style="list-style-type: none"> <li>■ Collex letter to DIPNR, dated 14<sup>th</sup> Oct 2005, regarding odour monitoring.</li> <li>■ Report on Odour Adsorption and Suppression System (Basset) May 2005.</li> </ul>	
<p><b>86.</b> For each monitoring/discharge point specified in the table below (by a point number)*, the rate of a pollutant discharged at that point, or applied to that area, must not exceed rate limits specified for that pollutant in the table.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here</i></p>	As above.	<ul style="list-style-type: none"> <li>■ As above.</li> </ul>	<b>C</b>
<p><b>87.</b> For each point specified below and/or any other point agreed between the Applicant and the Director-General, the Applicant must monitor (by sampling and obtaining results by analysis) the concentration of Each pollutant specified. Monitoring when the ventilation system is not operating is subject to compliance with condition 76. The applicant must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:</p>	As above.	<ul style="list-style-type: none"> <li>■ As above.</li> </ul>	<b>C</b>
<p><b>88.</b> Monitoring for the concentration of a pollutant emitted to the air must be done in accordance with:</p>	During ENVIRON’s review monitoring methodology and test methods used by	<ul style="list-style-type: none"> <li>■ Operational Environmental</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>(a) any methodology which is required by or under the Protection of the Environment Operations Act 1997 to be used for the testing of the concentration of the pollutant; or</p> <p>(b) if no such requirement is imposed by or under the Protection of the Environment Operations Act 1997, any methodology which the general terms of approval or a condition of the licence (as the case may be) requires to be used for that testing; or</p> <p>(c) if no such requirement is imposed by or under the Protection of the Environment Operations Act 1997 or by the general terms of approval or a condition of the licence (as the case may be), any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</p> <p>(Note: The Clean Air (Plant and Equipment) Regulation 1997 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW").</p>	<p>Collex staff and contractors were observed to be in compliance with this condition.</p>	<p>Management Plan (including all sub-management plans)</p> <ul style="list-style-type: none"> <li>■ Monitoring records, procedures and consultant reports</li> <li>■ Annual Environmental Management Report (2005)</li> </ul>	
<p><b>89.</b> The Applicant shall submit two odour impact assessments to the Director-General and Auburn Council. These odour impact assessments must be submitted within 30 days of completion of the initial monitoring required in Condition 87 for when the:</p> <p>(a) ventilation system is operating; and</p>	<p>ENVIRON reviewed the required Odour Impact Assessments, submitted in December 2004 and April 2005. Minor areas of concern only were identified within the Assessments.</p>	<ul style="list-style-type: none"> <li>■ Odour Audit I &amp; II (Performed by Vipac Engineers and Scientists) December 04 and April 05.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>(b) ventilation system is not operating.</p> <p>The odour impact assessment shall be prepared strictly in accordance with NSW EPA, 2001, Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW. The odour impact assessment shall demonstrate compliance with an odour performance criterion of 2 OU (99<sup>th</sup> percentile, nose response time average) at all times while the ventilation system is operating and not operating.</p>			
<p><b>90.</b> Within 6 months of the date of this consent, or prior to the acceptance of uncontainerised waste at the premises, whichever occurs first, the applicant shall provide to the EPA Manager Sydney Waste, manufacturer's performance guarantees for all plant and equipment, demonstrating to the satisfaction of the EPA that all sources of air pollutants will comply with:</p> <ul style="list-style-type: none"> <li>■ The emission rate limits specified in this consent; and</li> <li>■ The plant and equipment design parameters specified in this consent.</li> </ul>	<p>An Odour Control Performance Guarantee was submitted to Sydney Waste in June 2004. There were no identified areas of non-compliance.</p>	<ul style="list-style-type: none"> <li>■ Odour Control Performance Guarantee, prepared by Vipac Engineers and Scientists, 2 June 2004</li> <li>■ Letter from NSW EPA advising receipt of Guarantee (7<sup>th</sup> June 2004)</li> </ul>	<b>C</b>
<p><b>91.</b> A meteorological station must be sited and operated at the premises in accordance with the Approved Methods for the Sampling and Analysis of Air Pollutants in NSW. The Applicant shall undertake the sampling and analysis of the meteorological parameters specified in table below*. Sampling and analysis of meteorological parameters shall be carried out strictly in</p>	<p>ENVIRON sighted meteorological station and associated records in relation to sampling and analysis.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Dust Management Plan</li> <li>■ 2005 Clyde Transfer Terminal Annual</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>accordance with the methods and references specified in the table.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here</i></p>		<p>Management Report</p>	
<p><b>92.</b> The Applicant shall implement the Dust Management Plan (Construction Stage) and the approved Dust Management Plan (Operation Stage) to the satisfaction of the Director-General.</p>	<p>ENVIRON has reviewed the implementation of the Dust Management Plan (Construction and Operational Stage) against this Condition and considers it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Dust Management Plan (Construction and Operational Stage).</li> <li>■ 2005 Clyde Transfer Terminal Annual Management Report.</li> </ul>	<p><b>C</b></p>
<p><b>93.</b> All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.</p>	<p>As above (Consent Condition 92).</p>	<p>As above (Consent Condition 92).</p>	<p><b>C</b></p>
<p><b>94.</b> All trafficable areas and vehicle manoeuvring areas in or on the premises shall be maintained at all times in a condition that will minimise the generation or emission from the premises, of wind blown or traffic generated dust</p>	<p>As above (Consent Condition 92).</p>	<p>As above (Consent Condition 92).</p>	<p><b>C</b></p>
<p><b>95.</b> Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading. (EPA)</p>	<p>As above (Consent Condition 92).</p>	<p>As above (Consent Condition 92).</p>	<p><b>C</b></p>
<p><b>96.</b> The Applicant must prepare and implement an Ambient Air Quality Monitoring Plan. The Plan must address, but not necessarily be limited to, the following:</p>	<p>As above (Consent Condition 92).</p>	<p>As above (Consent Condition 92).</p>	<p><b>C</b></p>



Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ Monitoring methodologies and standards (sampling and analysis);</li> <li>■ Monitoring for concentrations of total suspended particulates (TSP) and dust deposition rates;</li> <li>■ Locations where monitoring will be carried out;</li> <li>■ Detailed monitoring cycle and the duration of each monitoring cycle; and reporting</li> </ul>			
<p><b>97.</b> The Applicant shall undertake sampling and analysis for ambient air pollutants in accordance with the methods and the frequencies detailed in the table below*. Ambient air pollutant monitoring sites shall be selected in accordance with Approved Methods for the Sampling and Analysis of Air Pollutants in NSW.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here</i></p>	<p>Monitoring from ambient air pollutants (in accordance with Approved Methods for the Sampling and Analysis of Air Pollutants in NSW) demonstrated results within performance measures outlined.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Dust Management Plan (Construction and Operational Stage).</li> <li>■ 2005 Clyde Transfer Terminal Annual Management Report.</li> </ul>	<b>C</b>
<p><b>98.</b> Detailed records of operating conditions inside the waste terminal building shall be made coincident with any monitoring for odour or dust required by Conditions of this Consent.</p>	<p>Collex are aware of Consent requirement and appropriate records are held on site.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Dust Management Plan (Construction and Operational Stage).</li> <li>■ Odour Management Plan</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ 2005 Clyde Transfer Terminal Annual Management Report.</li> </ul>	
<p><b>99.</b> Except as may be expressly provided by a licence under the Protection of the Environment Operations Act 1997 in relation of the development, section 120 of the Protection of the Environment Operations Act 1997 must be complied with and in connection with the carrying out of the development.</p>	<p>Collex are aware of Consent requirement.</p>	<ul style="list-style-type: none"> <li>■ Site Environmental Protection Licence (Licence Number 11763)</li> </ul>	<p><b>C</b></p>
<p><b>100.</b> Any water that comes into contact with waste at the premises must be directed to the leachate collection system.</p>	<p>On site procedures, records and facility design to manage leachate collection were observed to be appropriate.</p>	<ul style="list-style-type: none"> <li>■ Stormwater Management Plan</li> <li>■ Transfer Terminal Site Inspection Checklist</li> </ul>	<p><b>C</b></p>
<p><b>101.</b> The approved Soil and Water Management Plan must be implemented prior to and for the duration of the construction stage of the development.</p>	<p>ENVIRON reviewed the implementation of the Soil Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Soil Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>102.</b> Stormwater pollution controls must be implemented prior to and for the duration of the operation of the development. The controls shall be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme shall be consistent with the guidance contained in Managing Urban Stormwater: Council Handbook (available from the EPA). The controls shall incorporate minimum levels of treatment in the following table.</p>	<p>ENVIRON has reviewed the Stormwater Management Plan and on site features, both were observed to be in compliance with Consent Condition.</p>	<ul style="list-style-type: none"> <li>■ Stormwater Management Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>103.</b> The Site Contamination Management Plan must be implemented to the satisfaction of the Director-General, prior to and for the duration of the development.</p>	<p>ENVIRON reviewed the implementation of the Site Contamination Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Site Contamination Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>104.</b> The Applicant shall implement the approved Construction Noise Management Plan, to the satisfaction of the Director-General.</p>	<p>ENVIRON reviewed the implementation of the Construction Noise Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Construction Noise Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>105.</b> The Applicant shall implement the Noise Management Plan, to the satisfaction of the Director-General.</p>	<p>ENVIRON reviewed the implementation of the Noise Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Noise Management Plan</li> </ul>	<p><b>C</b></p>
<p><b>106.</b> All construction work at the premises that creates audible noise at residential premises must only be conducted between 7:00am and 5:00pm on Mondays to Fridays and between the hours of 8:00am and 5:00pm on Saturdays. There shall be no construction activities on Sundays or public holidays. The allowable construction times may be varied by an environment protection licence.</p>	<p>Collex is aware of this Consent Condition, no instances have been recorded and this is included within induction and training of staff.</p> <p>ENVIRON notes that no construction activities were conducted during the 2005 period.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Site Environmental Protection Licence (Licence Number 11763)</li> <li>■ Construction Noise Management Plan.</li> <li>■ Induction Program for New Drivers/Contractors.</li> </ul>	<p><b>C</b></p>
<p><b>107.</b> The delivery of construction material outside the hours of construction permitted by this Consent is not permitted except when required by police or other authorities for safety reasons; and/or because the operation, personnel or equipment are endangered. In such circumstances, notification is to be provided to the</p>	<p>As above (Consent Condition 106).</p>	<p>As above (Consent Condition 106).</p>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
EPA and affected residents at least 24 hours prior to the delivery, or within a reasonable period in the case of an emergency.			
<p><b>108.</b> Noise generated at the premises during the operation stage must not exceed the noise limits presented in the table below*.</p> <p><i>*Refer to Table within Consent Conditions – not displayed here.</i></p>	Collex is aware of this Consent Condition, no instances have been recorded and this is included within induction and training of staff.	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Operational Noise Assessment- Vipac (Feb 2005)</li> <li>■ Noise Management Plan</li> </ul>	<b>C</b>
<p><b>109.</b> Noise from the premises is to be measured at the most affected point on or within the residential boundary to Determine compliance with the LAeq(15 minute) noise limits. Where it can be demonstrated that direct measurement of noise from the premises is impractical, the EPA may accept alternative means of determining compliance.</p> <p>Note: See Chapter 11 of the NSW Industrial Noise Policy.</p> <p>The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise level where applicable.</p>	As above (Consent Condition 108).	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 106).</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ Operational Noise Assessment- Vipac (Feb 2005)</li> </ul>	<b>C</b>
<p><b>110.</b> Noise from the premises is to be measured at 1m from the dwelling facade to determine compliance with the LA1(1 minute) noise limits.</p>	As above (Consent Condition 108).	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 108).</li> <li>■ 2005 Annual Environmental Management Report.</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
		<ul style="list-style-type: none"> <li>■ Operational Noise Assessment- Vipac (Feb 2005)</li> </ul>	
<p><b>111.</b> The noise emission limits apply under meteorological conditions of:</p> <p>(a) wind speeds up to 3 m/s at 10 metres above ground level; and/or</p> <p>(b) temperature inversion conditions of up to 3 oC/100m.</p>	<p>As above (Consent Condition 108).</p>	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 108).</li> <li>■ 2005 Annual Environmental Management Report.</li> </ul>	<p><b>C</b></p>
<p><b>112.</b> The Applicant shall ensure that annual noise emission assessments of all trucks owned or operated by the Applicant or trucks the subject of a delivery contract with the Applicant are carried out. The assessment shall assess compliance with relevant noise emission requirements of ADR 28/01 or its successor. The assessment shall be made available to Auburn Council and to the Director-General within 3 weeks of the Applicant’s annual licensing report to the EPA. If any non compliance with the relevant noise emission requirements is identified, the assessment report shall recommend mitigation measures with the objective of ensuring compliance with relevant noise emission requirements of ADR 28/01.</p>	<p>ENVIRON notes that Collex has been unable to implement the requirements of this Consent Condition during 2005 due to the operational difficulties associated with meeting the condition requirements. ENVIRON considers that meeting the testing requirements of ADR 28/01 on site are not practical given the operational controls in relation to on site speed limits. ENVIRON also acknowledges the impracticalities of noise testing customer vehicles.</p> <p>Collex has initiated correspondence with Auburn Council and the DoP with regard to this issue and it’s applicability to the facility. The issue was also discussed and reported within the 2005 AEMR.</p> <p>ENVIRON considers this appropriate given</p>	<ul style="list-style-type: none"> <li>■ Letter of Advice from Hyder Consulting to Collex (1 April 2005) regarding vehicular noise emissions.</li> <li>■ Collex letter to Auburn Council (1 April 2005) regarding truck noise assessment.</li> <li>■ Collex letter to Auburn Council (23 June 2005) regarding truck noise assessment.</li> <li>■ Email correspondence from Auburn Council to Collex (15 July 2005) regarding truck noise</li> </ul>	<p><b>NC</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
	<p>the operating environment and associated difficulties in complying with this condition. ENVIRON notes that Auburn Council has acknowledged the practical difficulties faced by Collex in satisfying this condition.</p> <p>ENVIRON recommends that Collex seeks amendments to this consent condition (112) and confirms (with Auburn Council/DoP.)</p>	<p>assessment.</p> <ul style="list-style-type: none"> <li>■ Letter of Advice from APP Corporation to Auburn Council (23 September 2005) regarding vehicular noise emissions.</li> </ul>	
<p><b>113.</b> The Applicant shall implement an induction program for all drivers of trucks that deliver waste to the waste terminal with the objective of mitigating noise impacts of trucks entering and leaving the waste terminal, including driving procedures and throttle management. The program is to be designed in consultation with Auburn Council and is to emphasise the importance of noise emission control, driving and operating practices and procedures for night time activities.</p>	<p>As above (Consent Condition 108).</p>	<ul style="list-style-type: none"> <li>■ As above (Consent Condition 108).</li> <li>■ 2005 Annual Environmental Management Report.</li> <li>■ 2005 Driver Induction and Training records.</li> </ul>	<p><b>C</b></p>
<p><b>114.</b> The Applicant shall, in conjunction with the rail operator, implement an induction program for all train drivers and other rail staff dedicated to transporting containers to and from the Collex terminal area by train to Woodlawn. The program is to emphasise noise mitigation measures through "Good Neighbour" rail techniques such as notch control, idling practices, shunting speeds and engine control and shall form an integral part of the operational noise management</p>	<p>ENVIRON reviewed documentation and correspondence between Collex and Pacific National, which appropriately identifies responsibilities induction training in relation to rail staff inductions.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Site Environmental Protection Licence (Licence Number 11763)</li> <li>■ Noise Management Plan – Rail Operations.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
plan.		<ul style="list-style-type: none"> <li>■ Induction Program for New Drivers/Contractors.</li> </ul>	
<p><b>115.</b> The design of the terminal building and associated waste handling facilities shall incorporate such reasonable measures to eliminate or minimise the potential for birds, rodents, flies and other pests to congregate at the development. Consideration shall be given to incorporating the following measures:</p> <ul style="list-style-type: none"> <li>■ sealing surfaces to prevent moisture and odour absorption</li> <li>■ elimination of crevices where waste, moisture and vermin can accumulate</li> <li>■ providing screening of the ventilation openings in the building</li> <li>■ eliminating horizontal surfaces where birds can congregate</li> <li>■ minimising horizontal ledges where dust and litter can accumulate</li> <li>■ using fencing and netting to prevent wind-blown litter from escaping.</li> </ul>	<p>ENVIRON reviewed site practices and management procedures in relation to vermin and pest management and found the site activities and design appropriate.</p> <p>ENVIRON notes that the facility engaged an external consultant to deliver pest management services to the site.</p>	<ul style="list-style-type: none"> <li>■ Operational Environmental Management Plan</li> <li>■ Vermin and Pest Control Plan</li> <li>■ Expert Judgement Service Agreement</li> </ul>	<b>C</b>
<p><b>116.</b> The Vermin and Pest Management Plan must be implemented for the duration of the operation of the</p>	<p>ENVIRON reviewed the implementation of the Vermin and Pest Management Plan,</p>	<ul style="list-style-type: none"> <li>■ Vermin and Pest Management Plan</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
development, to the satisfaction of the Director-General.	and with the addition of a pest controller, found it appropriate.	<ul style="list-style-type: none"> <li>■ 2005 Site Inspection Checklist Records.</li> </ul>	
<b>117.</b> The Applicant must take all practicable measures to prevent the attraction and infestation of the premises with vermin and pests.	ENVIRON reviewed the implementation of the Vermin and Pest Management Plan and found it appropriate.	<ul style="list-style-type: none"> <li>■ Vermin and Pest Management Plan</li> <li>■ 2005 Site Inspection Checklist Records.</li> </ul>	<b>C</b>
<b>118.</b> All access to the development shall be via a sealed access road from Parramatta Road. No vehicle shall enter or exit the development via the internal road connecting the Clyde Marshalling Yards to Rawson Street.	Vehicular access is tightly controlled on site through the use of signage, road design (physical turn barriers), sealed roads and driver education through induction and training. No non compliances noted.	<ul style="list-style-type: none"> <li>■ Traffic Management Plan and associated documents.</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> </ul>	<b>C</b>
<b>119.</b> No vehicle entering the development shall turn right off Parramatta Road.	Vehicular access is tightly controlled on site through the use of signage, road design (physical turn barriers) and driver education through induction and training. No non compliances noted.	<ul style="list-style-type: none"> <li>■ Traffic Management Plan and associated documents.</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> </ul>	<b>C</b>
<b>120.</b> No vehicle exiting the development shall turn right onto Parramatta Road.	<p>Vehicular access is tightly controlled on site through the use of signage, road design (physical turn barriers) and driver education through induction and training.</p> <p>ENVIRON notes there were two reported incidences of vehicles turning right onto Parramatta Road during the review period.</p>	<ul style="list-style-type: none"> <li>■ Traffic Management Plan and associated documents.</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> <li>■ Site Incident Register</li> </ul>	<b>C</b>



Consent Condition	Audit Findings	Reference Documents	Finding
<p><b>121.</b> The Traffic Management Plan must be implemented for the duration of the operation of the development, to the satisfaction of the Director-General.</p>	<p>ENVIRON reviewed the implementation of the Traffic Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Traffic Management Plan</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> </ul>	<p><b>C</b></p>
<p><b>122.</b> Prior to the commencement of construction activities, the Applicant shall demonstrate to the satisfaction of the Director-General, it has reasonable arrangements in place in respect of its use of the right of carriageway, concerning traffic sharing, protection of underground and above-ground services in the vicinity of the carriageway and the potential impacts on the existing weighbridge.</p>	<p>ENVIRON reviewed the implementation of the Traffic Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Traffic Management Plan</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> </ul>	<p><b>C</b></p>
<p><b>123.</b> The Applicant must ensure no trucks or other heavy vehicles enter or exit the premises between the hours 10pm to 5am Mondays to Saturdays and 10pm to 7am Sundays and public holidays, unless otherwise provided in the Traffic Management Plan approved by the Director-General.</p>	<p>ENVIRON reviewed the implementation of the Traffic Management Plan and found it appropriate.</p>	<ul style="list-style-type: none"> <li>■ Traffic Management Plan</li> <li>■ Maunsell Traffic Impact Assessment October 2005</li> </ul>	<p><b>C</b></p>
<p><b>124.</b> The Applicant shall fund a traffic study, to be conducted by an independent, suitably qualified person. The study is to be completed and submitted to the Director-General within 14 months from commencement of operations, review the operation of the access road in the first 12 months of the development and recommend any future actions to ensure sufficient future capacity of the access road. The Applicant shall provide a reasonable financial contribution towards any upgrade of the access road</p>	<p>Collex commissioned Maunsell to conduct a Traffic Impact Assessment in October 2005. The assessment concluded that the impact of site related traffic on the 'access road' is negligible and site related traffic has a negligible impact on the surrounding road network.</p>	<ul style="list-style-type: none"> <li>■ Maunsell Traffic Impact Assessment October 2005.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
recommended by the study.			
<p><b>125.</b> In relation to activities, which in the event of a disruption to operations may result in significant pollution being emitted, the Applicant must:</p> <ul style="list-style-type: none"> <li>■ conduct an assessment to determine the potential internal and external causes of disruption of operations at the premises;</li> <li>■ determine how these disruptions would impact on operations; and</li> <li>■ identify the pollution that would result due to the disruption of operations and what impact the pollution would have on the health of the community and the environment.</li> </ul>	<p>The Clyde Transfer Terminal has performed a number of risk assessments, and emergency scenarios during 2005 which identify risk scenarios in relation to pollution events. Positive initiatives and corrective actions have been generated as a result of this process.</p>	<ul style="list-style-type: none"> <li>■ Site risk assessments</li> <li>■ Collex Environmental Improvement Program Clyde Transfer Terminal 17<sup>th</sup> and 18<sup>th</sup> of November 2005.</li> <li>■ Site EIS information</li> <li>■ Site Emergency / Incident Response procedures.</li> </ul>	<b>C</b>
<p><b>126.</b> In relation to matters identified in the previous condition, the Applicant must prepare an Emergency Management Plan. The Plan shall address, but not necessarily be limited to:</p> <ul style="list-style-type: none"> <li>■ identification of threats to the environment and/or public health that could arise in relation to the construction and operation of development. These threats may include fire, overflow, power or other utility failure, natural disaster etc;</li> <li>■ identification of strategies to minimise and ameliorate the effects of any water pollution</li> </ul>	<p>ENVIRON has reviewed the 2005 Incident Response Plan, Site Emergency Procedures, Training and Induction programs and records and considers the current site activities appropriate.</p>	<ul style="list-style-type: none"> <li>■ Incident Response Plan</li> <li>■ Site Emergency Procedures</li> <li>■ Induction and Training records</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>identified from the groundwater and surface water monitoring programs;</p> <ul style="list-style-type: none"> <li>■ an estimate of the cost of implementation;</li> <li>■ actions to effectively respond to the disruption of operations so the risk of pollution is minimised;</li> <li>■ a communications strategy for alerting relevant agencies and the potentially affected community in the event of the disruption to operations leading to significant pollution; and</li> <li>■ ensuring that all relevant employees are familiar with the emergency management plan.</li> </ul> <p>The Applicant should regularly review the adequacy of the plan obtaining expert advice as required.</p> <p>Note: When developing this emergency plan, consideration should be given to the possible integration with current emergency management plans for the entire site.</p>			
<p><b>127.</b> The Applicant shall consult with the NSW Fire Brigades and install a fire main and hydrants as required by the Fire Brigades. The system shall comply with AS 2419.</p>	<p>The requirements of this Consent Condition have been met on site.</p>	<p>Nil</p>	<p><b>C</b></p>
<p><b>128.</b> The Applicant shall implement the Landscaping Plan in consultation with Auburn Council and to the</p>	<p>ENVIRON reviewed the implementation of the Landscaping Plan and found it</p>	<ul style="list-style-type: none"> <li>■ Landscaping Plan</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
Satisfaction of the Director-General.	appropriate.		
<p><b>129.</b> The Applicant shall not construct any new buildings, hardstand, storage areas or vehicle manoeuvring areas within 30 metres of the Duck River Mean High Water Mark (as measured horizontally), to allow for the establishment of a viable riparian zone and multi-purpose recreation path.</p>	<p>Collex understands this Consent Condition, no development as described has occurred.</p>	<p>Nil</p>	<p><b>C</b></p>
<p><b>130.</b> The Applicant shall prepare at its own expense a site specific Riparian Zone Management Plan to address the issues contained in Auburn’s draft Duck River Riparian Management Plan. The Plan shall be submitted to Auburn Council’s Director Service Planning prior to the issue of the Occupation Certificate, or as otherwise agreed to by Auburn Council.</p> <p>Any riparian restoration activities undertaken by the Applicant shall, where appropriate, be consistent with but not necessarily limited to the activities listed in Attachment 3.</p>	<p>Collex has submitted a Riparian Zone Management Plan to Auburn Council on the 26<sup>th</sup> August 2004.</p> <p>ENVIRON understands that no development or activity has occurred at the site of the Duck River due to complications with Pacific National and State Rail holding separate titles of land within the area defined as Riparian Zone.</p> <p>Collex has maintained appropriate communications and initial financial contribution as required by Auburn Council has been paid. Further instalments await a scope of works to be provided by Auburn Council ENVIRON considers that Collex has achieved what it is possible with regard to the requirements of this Consent Condition given their status as ‘non land owners’.</p>	<ul style="list-style-type: none"> <li>■ Various communications between Collex and Auburn Council.</li> </ul>	<p><b>C</b></p>
<p><b>131.</b> The Applicant shall facilitate as appropriate and as required by the Director-General, the provision of a 3.0</p>	<p>Collex has submitted a Riparian Zone Management Plan to Auburn Council on the</p>	<ul style="list-style-type: none"> <li>■ Various communications between Collex and</li> </ul>	<p><b>I</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
metre wide reinforced concrete multi-purpose recreation path along the landward side of a 30 metre riparian/public open space dedication zone between the proposed development and Duck River, extending from Parramatta Road to the base of the Clyde railway bridge, along the edge of the development	26 <sup>th</sup> August 2004. Refer above comments (Condition 130).	Auburn Council.	
<p><b>132.</b> The Applicant shall facilitate as appropriate and as required by the Director-General and/or contribute to the dedication to Auburn Council of land incorporating the riparian restoration zone and multi-purpose recreation path between the proposed development and Duck River, extending from Parramatta Road to the base of the Clyde railway bridge, along the edge of the development.</p>	Collex has submitted a Riparian Zone Management Plan to Auburn Council on the 26 <sup>th</sup> August 2004. Refer above comments (Condition 130).	<ul style="list-style-type: none"> <li>■ Various communications between Collex and Auburn Council.</li> </ul>	<b>I</b>
<p><b>133.</b> The Applicant shall contribute to the development and installation of heritage interpretation signage in consultation with Auburn Council, regarding the heritage significance of the Clyde Marshalling Yards and in particular Track 22 and associated pre-use of the area occupied by the development. The heritage signage is to be approved by Auburn Council and installed within 6 months of commencement of the approved use or as otherwise agreed to by Auburn Council.</p>	ENVIRON has reviewed appropriate payments in relation to this Condition.	<ul style="list-style-type: none"> <li>■ 2005 Payment slips and approvals.</li> </ul>	<b>C</b>
<p><b>134.</b> The Applicant shall establish and maintain a Community Consultative Committee for the whole duration of the development, and take all reasonable steps to ensure that the first meeting is held prior to commencement of construction. Selection of representatives shall be agreed by the Director-General</p>	ENVIRON has reviewed Community Consultative Committee Meeting minutes, structure and correspondence. The process appears to be well managed and responsive to community concerns, with active involvement from neighbours, local	<ul style="list-style-type: none"> <li>■ 2005 CCC Minutes</li> <li>■ Various correspondences between Collex, DIPNR and Auburn Council relating to CCC processes</li> </ul>	<b>C</b>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>and the appointment of an independent Chairperson shall be to the satisfaction of the Director-General in consultation with the Applicant, Parramatta City Council and Auburn Council. The Committee shall include two representatives from the Applicant (including the Environmental Officer), four community representatives and a representative from each Council. Representatives from relevant government agencies (including PlanningNSW) may be invited to attend meetings of the Committee as required. The Committee may make comments and recommendations about the implementation of the development and draft management plans, environmental plans and/or studies. The Applicant shall ensure that the Committee has access to the necessary plans and/or studies for such purposes. The Applicant shall consider the recommendations and comments of the Committee and provide a response to the Committee and the Director-General.</p>	<p>residents, Collex staff and Local Council Minutes indicate that Required Consent Conditions are being met.</p>	<p>and structure.</p>	
<p><b>135.</b> The Applicant shall, at its own expense:</p> <ul style="list-style-type: none"> <li>■ provide appropriate facilities for meetings of the Committee;</li> <li>■ nominate a representative to attend all meetings of the Committee;</li> <li>■ provide to the Committee regular information on the progress of the work and monitoring results;</li> </ul>	<p>ENVIRON has reviewed Community Consultative Committee Meeting minutes, structure and correspondence. The process appears to be well managed and responsive to community concerns, with active involvement from neighbours, local residents, Collex staff and Local Council Minutes indicate that Required Consent Conditions are being met.</p>	<ul style="list-style-type: none"> <li>■ 2005 CCC Minutes</li> <li>■ Various correspondences between Collex, DIPNR and Auburn Council relating to CCC processes and structure.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<ul style="list-style-type: none"> <li>■ promptly provide to the Committee such other information as the Chairperson of the Committee may reasonably request concerning the environmental performance of the development; and</li> <li>■ provide reasonable access for site inspections by the Committee.</li> </ul>			
<p><b>136.</b> The Applicant shall establish a trust fund to be managed by the Chairperson of the Committee to facilitate functioning of the Committee, and pay \$2000 per annum to the fund for the duration of the development. The payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be made by the date of the first Committee meeting. The Applicant shall also contribute reasonable funds for payment of the independent Chairperson, to the satisfaction of the Director-General.</p>	<p>Consent Condition has been met to the satisfaction of DIPNR Director General.</p>	<ul style="list-style-type: none"> <li>■ DIPNR Letters to Collex regarding CCC 9<sup>th</sup> &amp; 13<sup>th</sup> of January 2004.</li> <li>■ 2005 Payment slips and approvals.</li> </ul>	<p><b>C</b></p>
<p><b>137.</b> Prior to the commencement of construction, or as otherwise approved by the Director-General in consultation with Auburn Council, the Applicant shall take all reasonable steps to negotiate an agreed outcome with Auburn Council for an appropriate level of contribution (financial or in-kind) towards mitigating the social and Community impacts resulting from the construction and operation of the development.</p> <p>The contribution shall provide, but not necessarily be limited to, the following:</p>	<p>Consent Condition has been met to the satisfaction of DIPNR Director General.</p>	<ul style="list-style-type: none"> <li>■ DIPNR Letters to Collex regarding Community Enhancement Contributions 6<sup>th</sup> &amp; 9<sup>th</sup> of January 2004</li> <li>■ 2005 Payment slips and approvals.</li> </ul>	<p><b>C</b></p>

Consent Condition	Audit Findings	Reference Documents	Finding
<p>(a) the payment of \$50,000 (unless otherwise agreed to by the Director-General) to Auburn Council as a contribution to the drafting of a masterplan for the entire Clyde Marshalling Yards</p> <p>(b) appropriate monetary lump sum contributions to be negotiated with Auburn Council for the purposes of:</p> <ul style="list-style-type: none"> <li>• the widening of the Western Overbridge;</li> <li>• establishing a vegetated riparian restoration zone along the eastern bank of Duck River from Parramatta Road to the Clyde railway bridge;</li> <li>• establishing a multi-purpose recreation path adjacent to the riparian zone from Parramatta Road to the Clyde railway bridge; and</li> <li>• the development and installation of heritage interpretation signage along the multi-purpose recreation path regarding the heritage significance of the Clyde Marshalling Yards and in particular Track 22 and associated pre-use of the area occupied by the development.</li> </ul> <p>(c) ongoing or as otherwise agreed to financial contributions proportional to the tonnage throughput of the terminal for the purpose of local community enhancement projects and/or activities in accordance with a community enhancement plan to be prepared by Auburn Council to reflect community priorities and needs.</p> <p>Should such a negotiated outcome not be reached,</p>			



Consent Condition	Audit Findings	Reference Documents	Finding
<p>the Applicant shall abide by the requirements of the Director-General concerning community enhancement contribution in light of an independent investigation to Establish such contribution.</p> <p>Such investigation is to be carried out by an independent person(s) to be appointed by the Director-General in consultation with the Applicant and Auburn Council.</p> <p>The commencement of any construction on-site shall not proceed unless the above outcomes have been agreed or otherwise approved by the Director-General in consultation with Auburn Council.</p>			
<p><b>ADHERENCE TO ATTACHMENT 1:</b> <i>Elements to be addressed in the Environmental Management Plan (Construction Stage) and the Environmental Plan (Operation Stage).</i></p>	<p>ENVIRON found during the course of the audit and review that the requirements of Attachment 1 have been adhered to.</p>	<ul style="list-style-type: none"> <li>■ Environmental Management Plan (Construction Stage)</li> <li>■ Environmental Plan (Operation Stage)</li> </ul>	<p><b>C</b></p>
<p><b>ADHERENCE TO ATTACHMENT 2:</b> <i>Mandatory Conditions for all EPA Licences.</i></p>	<p>ENVIRON observed all identified Mandatory Conditions within licence were presently being met.</p>	<ul style="list-style-type: none"> <li>■ Site Environmental Protection Licence (Licence Number 11763)</li> </ul>	<p><b>C</b></p>
<p><b>ADHERENCE TO ATTACHMENT 3:</b> <i>Riparian Restoration Activities.</i></p>	<p>ENVIRON is satisfied all Consent Conditions are presently being met by Collex in regard to Attachment 3, however opportunities for improvement have been identified. Refer To Consent Conditions 131&amp; 132.</p>		<p><b>C</b></p>

End of Document