

**SYDNEY PORTS
CORPORATION**

**INDEPENDENT ENVIRONMENTAL
COMPLIANCE AUDIT
INTERMODAL LOGISTICS CENTRE –
ENFIELD, NSW**



DECEMBER 2012

QEM Consulting

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List of Abbreviations

AS	Australian Standard
BoM	Bureau of Meteorology
CEMP	Construction Environmental Management Plan
CoA	Condition of Approval
DECCW	Department of Environment, Climate Change and Water (Currently OEH)
DG	Director-General (of Department of Planning & Infrastructure)
DoP	Department of Planning (currently DP&I)
DP&I	Department of Planning and Infrastructure (formerly DoP)
EET	Environmental Essentials Training (internal Leighton Contractors' training program)
EM	Environment Manager (LCPL)
ESCP	Erosion and Sediment Control Plan
FHCA	Frog Habitat Creation Area
ILC	Intermodal Logistics Centre
LCPL	Leighton Contractors Pty Ltd
LL	Lend Lease
OEH	Office of Environment and Heritage
OOHW	Out of Hours Works
PM	Project Manager (LCPL)
PM10	Particulate matter 10 micrometres or less in diameter
RABQSA	Registrar Accreditation Board and Quality Society of Australasia International
RTCG	Road Transport Coordination Group
SoC	Statement of Commitment

1.0 AUDIT DETAILS

1.1 Purpose

An independent environmental audit was conducted to confirm environmental compliance with the Department of Planning and Infrastructure (DP&I) Conditions of Approval (CoA) for the Intermodal Logistics Centre (ILC) at Enfield.

CoA 4.1 requires Sydney Ports Corporation (Sydney Ports) to develop and implement a Compliance Tracking Program to track and report on compliance with all CoA's. In particular, 4.1 c) requires a program of independent environmental auditing, at least annually unless otherwise directed, with outcomes of compliance tracking to be made available on a public website per 5.4 d).

1.2 Background

Sydney Ports Corporation (Sydney Ports) is the Proponent for the Intermodal Logistics Centre (ILC) at Enfield.

Project Approval (the Approval) for the ILC Project was issued by the NSW Minister for Planning on 5 September 2007. Several Modifications to the Approval conditions were made by the Minister between October 2008 and November 2011 (Modification 5).

The ILC site is located at Strathfield South, approximately 15 km by road from the Sydney CBD and 18 km by rail from Port Botany. The site covers an area of around 60 ha extending approximately from the intersection of the Hume Highway and Roberts Road in the north to the intersection of Punchbowl Road and Cosgrove Road in the south. The proposed ILC at Enfield will be used for the transfer and storage of container freight to and from Port Botany, packing and unpacking of containers within the proposed warehouses and storage of empty containers for later re-use or for return to the Port.

The development includes:

- an intermodal terminal for the loading and unloading of containers between road and rail and short term storage of containers;
- warehousing for the packing and unpacking of containers and short-term storage of cargo;
- empty container storage facilities for the storage of empty containers for later packing or transfer by rail;
- a light industrial and commercial area complementary to operations at the ILC. The area will also act as an interface to adjacent uses along Cosgrove Road;
- off-site works including the construction of a road bridge over the existing RailCorp Marshalling Yards for access to Wentworth Street, upgrade the entrance to the site from Cosgrove Road and the reconstruction of the Norfolk Road and Roberts Road intersection, to manage access/egress of vehicles to/from the ILC Site, and rail connections to the freight rail network; and
- An area at the southern part of the site for ecological enhancement and community opportunities.

The works to be undertaken for the Project include:

1. Detailed design;
2. Enabling works generally comprising:
 - demolition of site structures (completed);
 - construction of the north sidings rail corridor (completed);
 - removal of unsuitable materials, where required, and remediation of contaminated areas (largely completed);
 - stabilisation, relocation or demolition of heritage items on the ILC Site (largely completed); and
 - removal of Ralcorp's aerial 11 kV wiring and power poles from the ILC site (completed).
3. Early works including a road bridge over Ralcorp's New Enfield Marshalling Yards (largely completed), northern and southern rail connections, south-east noise earth barrier (completed), frog habitat creation area (ponds and frog ponds' fringing habitat area completed) and other associated minor works;
4. Construction (by main contractor/s) of the main off-site and on-site base infrastructure, currently in progress;
5. Tenant works – intermodal terminal, warehouses, empty container storage areas, administration buildings; and
6. Light Industrial Commercial works.

Leighton Contractors Pty Ltd (LCPL or Leighton Contractors) were engaged by Sydney Ports in September 2010 to undertake the main off-site and on-site base infrastructure construction works.

1.3 Audit Objectives, Criteria & Scope

The audit objective was to assess:

- Compliance of the project with relevant Project Approval conditions and statement of commitments contained in the NSW Planning Approval of 5 September 2007) and subsequent Section 75 Modification Applications 1 to 5. (Modification No 6 was not formally approved at the time of this audit);
- Project environmental performance against relevant project environmental criteria; and
- Environmental mitigation measures defined in environmental management plans.

Audit criteria included:

- Conditions of Approval (CoA);
- Statement of Commitments (SoC);
- Mitigation measures defined in the Stage 3 CEMPs prepared by LCPL; and
- Status of the previous 2011 Independent Audit findings.

The scope of the audit was limited to implementation of obligations, commitments and environmental practices either at the time of the audit or in the preceding period. Closed and/or design related CoA's were not considered, and asbestos management was not assessed in detail, given the engagement of a Site Auditor accredited under the Contaminated Land Management Act, for the remediation of land at the site. In addition, certain conditions were not relevant to this audit as they are related to operational or other phases of the Project that are yet to commence.

1.4 Auditor, Process & Methodology

The on-site audit was conducted by Larry Weiss, of QEM Consulting Pty Ltd on 6^h December 2012, comprising a site inspection and subsequent verification of Planning Obligations and selected CEMP requirements.

Larry Weiss is a RABQSA accredited EMS auditor (Certificate No 12355) and a Member of Engineers Australia (938517). He specialises in a range of audits including certification, surveillance, compliance, voluntary and independent, the latter on behalf of Infrastructure Proponents including Transport for NSW, Connector Motorway and Sydney Water.

The inspection assessed a sample of applicable monitoring systems and mitigation measures defined in the CEMP and Sub Plans. Further verification continued off-line of documentation and/or evidence gathered during the audit.

The audit was undertaken in accordance with *ISO 19011:2002 – Guidelines for Quality and/or Environmental Management Systems Auditing*. The depth and amount of evidence sampled and cross-checked was based on a personal professional opinion on the day as to the robustness of the records and responses made. Nonetheless, the audit was limited to compliance statements and/or supporting evidence made available or requested

1.5 Auditees and Participation

The following persons were interviewed during the audit:

Name	Organisation	Position
George Kollias	LCPL	Environment Manager
Simon Fisher	LCPL	Environment Co-ordinator
James Tydd	LCPL	Stakeholder & Community Relations Manager
Steve Fermio	Contractor (LendLease) representing SPC	Environment & Planning Manager
Alison Tourle	Contractor (Evans & Peck) representing SPC	Environment Advisor

Attendance at opening and closing meetings including participation by SPC is as indicated in the Attendance List, Appendix 6

2.0 AUDIT FINDINGS

The Audit Action List (Appendix 1) provides a summary of audit findings requiring action. Sydney Ports' and Leighton Contractors' actions in response to these findings should be reviewed as part of the 2013 Independent Audit.

The Audit Checklist / Findings Tables are provided in Appendices 3-5 includes details of evidence provided in support of compliance and information available online on the Project (public) website.

The findings are divided into three categories, namely '**Compliance**', '**Non Compliance**' or '**Opportunity for Improvement**'.

In this report, "Non-compliance" indicates the criteria (condition or commitment) have not been satisfied on the basis of the evidence available. Where an observation made during the audit could lead to an improvement in the management or demonstration of compliance this has been recorded as an "Opportunity for Improvement".

2.1 Compliance Status

No non compliances with the CoAs or SoCs were identified during the audit.

2.2 Opportunities for Improvement

Audit Findings presenting opportunities for improvement are summarised below:

- Whilst LCPL Environment Branch had conducted (2) two internal site audits as defined by the CEMP, these tended to be quite general and did not evidence compliance with specific mitigation measures defined in each sub plan, as required by section 5 of the various sub plans;
- There were some minor amounts of packaged chemicals stored in the Chemical Store without being on fit-for purpose splash trays, the sides of which were collapsing and potentially unable to contain leaks;
- The LCPL Corrective Action process for the management of audit findings was not clearly defined. The CEMP states that "action will be linked to the record of the event" but does not describe how action tracking plus effective and timely conclusion will be achieved;
- Actions pertaining to internal and external audits were not always completed by LCPL in a timely manner, with some actions taking several months to finalise. It should be acknowledged that these were administrative actions only and did not impact effectiveness of physical and operational controls on site;
- The SPC ILC project website does not explicitly state that subject to confidentiality all documents required by Project Approvals will be made available for inspection upon request.

2.3 Previous audit findings

A review of the status of actions proposed by Sydney Ports in response to the 2011 Independent Audit findings was undertaken as part of this audit.

Verification of actions taken for these four findings as indicated in Appendix 2 demonstrated that these can be considered as closed.

2.4 Summary of environmental and community aspects

At the time of this audit conducted early December 2012, Leighton Contractors were completing underground service works as well as internal pavement filling and compaction. On-site reuse of unsuitable engineering continued through incorporation in Mt Enfield, whilst some batters had recently been spray grassed and the northern noise wall had recently been painted:



Construction of additional detention basins continued, and a final cell for asbestos containing material had commenced as indicated below:



General site controls and mitigation measures

Site environmental controls were strength, both on the day but also as demonstrated by regular and event-based inspections, the latter after rainfall events and prior to works in ecologically sensitive areas. Controls observed during the site inspection included dust suppression by a number of water carts, sediment & erosion protection measures, bunded refuelling areas, wheel washing and frog protection fencing to name a few.

Noise monitoring

Systems were in place for assessing plant and equipment prior to use, as well as attended noise monitoring associated with general and out-of-hours works. Results indicated that noise objectives at the nearest residential receivers were mostly met, and if not, there was often external sources recorded as contributing to impacts.

Air quality monitoring

Monthly dust monitoring reports prepared by consultants SLR continued utilising two dust monitors located in the south and north of the site, shown respectively below:



These reports indicate that with the exception of some single day and/or regional air quality issues, PM10 concentrations (24-hour) of greater than $50 \mu\text{g}/\text{m}^3$ were exceeded infrequently and, on the occasions this level was exceeded, by a marginal amount only. Investigations carried out in response to the likely cause indicated that any elevated dust concentrations were unlikely to have been caused by any site activities.

Ecological performance

Comparisons with the photographs of the south eastern noise wall (near the frog basins) from 2011 indicated good establishment of flora species as shown below:



Aerial photo of frog ponds taken on 27th August 2012



3.0 AUDIT CONCLUSIONS

The review of compliance records required to satisfy the audit criteria indicated a strong focus by Sydney Ports on achieving compliance through attention to detail in documentation, excellent record keeping and reporting to authorities.

Sydney Ports' and Leighton Contractors' compliance records were well organised and complete and other than documents considered to contain confidential information, documentation required by Project Approvals were made available on the dedicated ILC website. The SPC Compliance Tracking Report was of a particularly professional standard. The site visit conducted on the day of this audit also indicated a high level of implementation of the mitigation measures defined in the Stage 3 CEMP for works currently underway.

As no non compliances were identified during the Audit, Sydney Ports and Contractor (Leighton Contractors) have demonstrated a commendable level of compliance.

Notwithstanding, there were a few opportunities for improvement identified for further consideration and attention as detailed above in section 2.2. It should be noted that at least two of these improvements may be deemed non-compliant if not attended to in a commensurate timeframe.

Report Prepared By:



Date: December 2012

Appendix 1: 2012 Audit Findings

No	Item	Status	Audit Finding	Proposed Action	Who By	By When
F1	CEMP 14.4.3 & Sub plans 5.2	OFI	Whilst LCPL Environment Branch had conducted (2) two internal site audits as defined by the CEMP, these tended to be quite general and did not evidence compliance with specific mitigation measures as required by per section 5.2 Auditing of the various sub plans.			
F2	CoA 2.50	OFI	There were some minor amounts of packaged chemicals stored in the Chemical Store without being on fit-for purpose splash trays, whose sides were collapsing and potentially unable to contain leaks.			
F3	CEMP 14.4.4	OFI	The corrective action process for the management of audit findings is not clearly defined. The CEMP merely states that "action will be linked to the record of the event" but does not describe how action tracking and effective and timely conclusion is achieved.			
F4	CEMP 14.4.4	OFI	Certain actions pertaining to internal and external audits were not being completed by LCPL in a timely manner, with some administrative actions taking many months to finalise. Refer Appendix 5 item E6. Note that some recommendations from the November 2012 Branch Audit and this Independent Audit should be diligently addressed as a matter of importance			

No	Item	Status	Audit Finding	Proposed Action	Who By	By When
F5	CoA 5.1	OFI	The SPC ILC project website does not explicitly state that subject to confidentiality all documents required by Project Approvals will be made available for inspection upon request.			

Status: Non-compliance (N) or Opportunity for Improvement (OFI)

Appendix 2: Verification of open Actions to previous audits

No	Item	Status	Action Item	Proposed Action	QEM Verification conducted 6/12/12
A1	CoA 2.1.2	OFI	The Road Transport Coordination Group (RTCG) Terms of Reference (ToR) requires quarterly meetings to be held however from September 2010 to August 2011 the RTCG agreed to deviate from this schedule.	Consider reviewing ToR for meeting frequency to provide RTCG more flexibility in setting meeting dates	At RTCG Meeting No. 9 held 29 February 2012, attendees agreed to amend the Terms of Reference for meetings to be held at a 3-monthly frequency or as otherwise agreed by the RTCG members. This amendment to the ToR has provided more flexibility in setting RTCG meeting dates, as required by AFI A1SPC ILC project website provided RTCG minutes for 3 meetings held in 2012 i.e. 29/2, 29/6 & 19/9. Sighted handwritten notes of meeting held 5/12/12, the day before this Independent Audit. Considered CLOSED
A2	CoA 2.20	OFI	Weather station down for 6 months undergoing repairs. Did not greatly impact site management due to availability of data from BoM sites.	Consider measures to reduce periods of down time due to faults or alternatives to current station	Output sighted of site weather station data. Also, current Modification of Approval #6 submitted to DP&I has requested back-up arrangements to use of Canterbury BOM should the site weather station be problematical. Considered CLOSED
A3	CoA 6.2	OFI	No evidence of quarterly Leighton Environment Branch inspections being undertaken on site		Latest version of the CEMP for Stage 3 Main Construction version 3.0 dated 5/12/12 (awaiting approval) @ 12.4.1 allows more flexibility for LC Branch Representatives having to conduct inspections. Observed site inspections to be regular and thorough, and that two (2) LC Branch Representative audits conducted in 2012 comprised of a site inspection component. Considered CLOSED
A4	CoA 6.2	OFI	2010 Audit Finding. Leighton's Environmental Essentials Training (EET) not implemented due to current review of the program	ERSED training has been substituted for EET training (1 st ERSED training held on 14/7/11). Stage 3 CEMP should be revised to reflect this change.	Update to CEMP for Stage 3 Main Construction paragraph 9.0 (awaiting approval) reflects Erosion & Sediment Control and Friable Asbestos training to be provided as needed is identified. Considered CLOSED


Status: Non-compliance (N) or Opportunity for Improvement (OFI)

Appendix 3: MINISTER'S CONDITIONS OF APPROVAL

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
ADMINISTRATIVE				
1.	1.1 1.2	The Proponent shall carry out the project generally in accordance with the environmental documentation....a) - m)	Y	The project appeared to be compliant based on evidence sampled and sighted during this independent audit, limited to the coverage as indicated in the Appendices. SPC <u>Compliance Tracking Report for the last period ending April 2012</u> stated that the "this compliance tracking report demonstrated ongoing compliance" Consistency assessment were indicated by various approved Modifications to the Conditions of Approval, the latest being Modification 6, in process with DP&I for approval. (Consequently, this did not form part of this audit scope)
2.	1.3	Inconsistency in requirements.... The Proponent shall comply with any reasonable requirement(s) of the DG arising from the Department's assessment of any reports, plans or correspondence submitted in accordance with the approval and the implementation of any actions or measures contained in these reports, plans or correspondence.	Y	No additional requirements to the existing CoAs were imposed since the DP&I Stage 3 CEMP Addendum approval of 20/3/12.
3.	1.3A	The Proponent may construct and/or operate the project in stages with commensurate staging of compliance with the conditions of this approval....	Y	SPC Framework CEMP rev 10(Sep 2010) available on website
4.	1.12	The Proponent shall ensure that all licences, permits and approvals are obtained and kept up-to-date. The Proponent shall ensure that a copy of this approval and all relevant environmental approvals are available on the site at all times during the project.	Y	Copies of CoAs available at Enfield project office. SPC <u>Compliance Tracking Report for the last period ending April 2012</u> indicated 4 permits obtained from Strathfield Council. Other approvals included TOBAN exemption from Rural Fire Services on 27/1/12.

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
SPECIFIC ENVIRONMENTAL CONDITIONS				
Traffic:				
5.	2.1	The Proponent shall provide a shuttle bus service between Strathfield train station and the site during peak construction works and shall encourage employees to utilise public transport rather than private transport to the site	Y	Project shuttle bus and carpooling offered periodically
6.	2.1.1	Prior to commencement of any works associated with the construction of connections to the existing freight rail network and the road bridge over the New Enfield Marshalling Yards, the Proponent shall consult with RailCorp to reach agreement on the detailed design and operational aspects of the rail and road infrastructure component of the project on RailCorp land. Design details shall include a)...h). All works associated with rail and road infrastructure on RailCorp land shall be undertaken in accordance with the agreement reached with Railcorp.	Y	<u>SPC Compliance Tracking Report for the last period ending April 2012</u> stated: <i>During this reporting period, regular (approximately weekly) meetings with RailCorp, Sydney Ports and the Contractor to coordinate construction activities on RailCorp land have been ongoing. The agreement for the north and south rail connections is currently being negotiated.</i>
7.	2.1.2	The Proponent shall establish and maintain for the life of the project..a Road Transport Coordination Group to oversee and coordinate the management of traffic and road issues... including representatives of the Proponent, the Department, the RTA, Strathfield Municipal Council and Bankstown City Council...	Y	Previous Audit Finding – refer Appendix 2 for verification details
Noise Impacts:				
8.	2.1.3	The Proponent shall minimise noise emissions from plant and equipment operated on the site by installing and maintaining, wherever practicable, efficient silencers, low-noise mufflers (residential standard) and by replacing reversing alarms with alternative silent measures, such as flashing lights (subject to OHS requirements).	Y	Achieved through "Hired-in Plant Inspection Checklist / Reports", daily pre-starts checks and Noise Monitoring Record Sheets e.g. Backhoe on 21/3/12 & Hitachi on 20/6/12. Calibration Register indicated Acoustic Research Lab calibrations taking place. Reversing non-tonal alarms observed on vehicles and mobile plant during the inspection component of this Independent Audit

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
9.	2.14	The Proponent shall, as soon as practicable during site preparation, and prior to the commencement of construction of rail trackwork and hardstand for the intermodal terminal, empty container and warehousing components of the project, install earth mound noise barriers in the south east of the site, as generally described in the documents referred to under condition 1.1 of this approval.	Closed	Noise mound has been constructed, as observed during the inspection component of this and prior Independent Audit(s).
10.	2.15	<p>The Proponent shall only undertake site preparation and construction activities associated with the project that would generate an audible noise at any residential premises during the following hours:</p> <p>a) 7:00 am to 6:00 pm, Mondays to Fridays, inclusive; b) 8:00 am to 1:00 pm on Saturdays; and c) at no time on Sundays or public holidays.</p> <p>This condition does not apply in the event of a direction from police or other relevant authority for safety reasons.</p>	Y	<p>The approved construction Hours are communicated to every person working for LCPL on the ILC Enfield Project through the environmental component of LCPL's Project Induction. Routinely assessed through Environmental Checklist.</p> <p>LCPL requested a number of inaudible works assessments, prepared by Environment Personnel and approved by the Construction Manager, assessed on the basis of AS 2436:2010, relevant guidelines and attended onsite monitoring to confirm the works were inaudible. These included:</p> <ul style="list-style-type: none"> • Pit works on 7/11/12; • HBB curing works on 7/11/12; • Concreting on Lighting Tower piles on 13/8/12
11.	2.16	The hours of site preparation and construction activities specified under condition 2.15 of this approval may be varied with the prior written approval of the Director-General....	Y	Out-of Hours works application associated with Cox Creek Culvert Stormwater connection was approved by DPI letter dated 6/11/12 covering consecutive weekend works.

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
12.	2.20	<p>Air Quality Impacts:</p> <p>The Proponent shall install, operate and maintain a meteorological monitoring station to monitor weather conditions representative of those on the site, in accordance with:</p> <p>a) AM-1 Guide to Siting of Sampling Units (AS 2922-1987);</p> <p>b) AM-2 Guide for Horizontal Measurement of Wind for Air Quality Applications (AS 2923-1987); and</p> <p>c) AM-4 On-Site Meteorological Monitoring Program Guidance for Regulatory Modelling Applications.</p> <p>The Proponent shall install the meteorological monitoring station prior to the commencement of site preparation or construction works and shall use the station to undertake the monitoring required under condition 3.1 of this approval....</p>	Y	<p>Previous Audit Finding – refer Appendix 2 for verification details</p>  <p>Site weather station (above)</p>
13.	2.21	<p>The Proponent shall not permit any offensive odour, as defined under section 129 of the <i>Protection of the Environment Operations Act 1997</i>, to be emitted beyond the boundary of land owned by the Proponent (the site the subject of this approval).</p>	Y	<p>No offensive odours were detected during site inspection nor were any potential sources of odours that would potentially be emitted beyond the premises boundary observed.</p>
14	2.22	<p>The Proponent shall design, construct, commission, operate and maintain the project in a manner that minimises or prevents the emission of dust from the site including windblown and traffic generated dust.</p>	Y	<p>Several watering carts were observed during the inspection component of this Independent Audit. Spray grassing of completed batters is also assisting as a mitigation measure.</p>
15.	2.23	<p>The Proponent shall take all practicable measures to ensure that all vehicles entering or leaving the site, carrying a load that may generate dust, are covered at all times, except during loading and unloading....</p>	Y	<p>Covered in Pick-up Induction hand-out material, plus as a checkpoint on Environmental Checklists as "vehicle loads covered"</p> <p>All delivery vehicles observed arriving / leaving the site on the day of this Independent Audit had covers deployed.</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
16.	2.24	All activities on the site shall be undertaken with the objective of preventing visible emissions of dust beyond the boundary of the site. Should such visible dust emissions occur at any time, the Proponent shall identify and implement all practicable dust mitigation measures... such that emissions of visible dust cease.	Y	Constant visual monitoring is carried out by LCPL's workforce, site supervisors and Environmental Manager. Environmental Checklists, completed examples of which were sighted, contains a check for visible dust. Measures to react to significant levels of dust have been identified in LCPL's Air Quality and Dust Management Plan. Sighted diary entries for "slowing work" for example.
17.	2.25	The Proponent shall manage, maintain and use internal haulage roads in order to prevent dust emissions. The measures to be implemented for the management of potential dust emissions from internal roads during construction shall be incorporated in the CEMP required under condition 6.3.	Y	All haul roads have been designed to be internalised within the site to reduce the need for haulage outside the site and many of the haul roads were observed to be sealed or covered with sealant chemical.
18.	2.26	The Proponent shall apply and enforce a 25 km/ h speed limit on the site during site preparation and construction works to minimise the potential for dust generation.	Y	A 20 km/hr speed limit is communicated in LCPL's Project Induction and Vehicle Management Plan no.38. Practically, speed signs were displayed onsite as observed during the inspection component of this Independent Audit. Also sighted LCPL Site Utes used to escort delivery trucks served to enforce this practice.
19.	2.27	The Proponent shall ensure that all vehicles and equipment directly associated with site preparation and construction works (as distinct from passenger vehicles) pass through a wheel wash prior to leaving the site.	Y	A wheel wash (and concrete wash) was as observed during the inspection component of this Independent Audit located on the main haul road, sealed thereafter to the site exit.
Water Quality and Hydrological Impacts:				
20.	2.28	Except as may be expressively provided under an Environment Protection Licence applicable to the project, the Proponent shall comply with section 120 of the <i>Protection of the Environment Operations Act 1997</i> which prohibits the pollution of waters.	Y	Water was being tested prior to controlled discharge using Sediment Basin Checklists e.g. 14-15/11/12, these days associated with 35mm rainfall event. Calibration Register indicated automatic calibration of Horiba water quality meter, no changes


Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
21.	2.29	Soil and water management controls shall be employed to minimise soil erosion and the discharge of sediment and other pollutants... in accordance with Landcom's <i>Managing Urban Stormwater: Soils and Construction</i> .	Y	<p>LCPL indicated that there had been no uncontrolled and unacceptable water quality discharges of sediment offsite in the past year - this also indicated as Compliant in the SPC Compliance Tracking Report for the last period ending April 2012.</p> <p>Apart from physical controls observed during the inspection component of <u>this</u> Independent Audit. Erosion & Sediment Control, controls were defined in Erosion & Sediment Control Plans (ESCPs) incl. Stockpile 4 Engineering Fill ESCP 030 Rev C and Punchbowl Abutment Excavation Works 049 Rev A.</p> <p>References to Bluebook were sighted on these Erosion & Sediment Control Plans.</p>
22.	2.30	All stockpiled construction materials shall be adequately located, stabilised and maintained to prevent erosion or dispersal of the materials.	Y	<p>Some stockpiles were observed to be vegetated. Coarseness of material in many stockpiles e.g. Stockpile #2 reduces potential for erosion. No evidence of significant dispersal or erosion of stockpiled material was observed during the inspection component of <u>this</u> Independent Audit.</p>
23.	2.31	The Proponent shall construct and maintain stormwater detention basins on the Site, generally consistent with the basin sizes/ locations presented in the document referred to under condition 1.1h) of this approval. Opportunities to reuse stormwater from detention basins for ecological areas or for site operations shall be investigated during detailed design of the project, and where practicable, the Proponent shall utilise collected water preferentially to external potable water supplies for operational activities on the Site, subject to testing to confirm the suitability of collected water quality.	Y	<p>Several detention basins e.g. 2, SP4 Area Y etc. were depicted on the site Vehicle Management Plan v38 and observed during the inspection component of <u>this</u> Independent Audit.</p> <p>Water reuse on site reportedly, however all basins were depleted given absence of rain in recent weeks.</p>
24.	2.32	All quarantine and machinery wash down waters and amenities wastewater shall be directed to sewer (subject to Sydney Water Corporation approval), or to an appropriately licensed liquid waste disposal facility.	Y	<p>Reportedly no significant machinery wash down had taken place. Wastewater from the established office (Building 31) and adjacent amenities is directed to sewer. Onsite porta-loos are pumped-out by a Waste Contractor and effluent disposed off site.</p>


Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
		Heritage Impacts and Management:		
25.	2.34	Except for necessary stabilisation works agreed in consultation with the NSW Heritage Office, the Proponent is not permitted to destroy, modify or otherwise physically affect the Tarpaulin Factory as part of this approval...	Y	No significant change in status since the last Independent Audit i.e. Tarpaulin Factory retained on site in accordance with requirements. Sydney Ports has commissioned City Plan Services to provide an options report for the Tarpaulin Factory though.
26.	2.35	The Proponent shall relocate and maintain the Pillar Water Tank to an appropriate location within the site, determined in consultation with the NSW Heritage Office.	Y	No change in status since the last Independent Audit – Pillar Water Tank fenced off.
27.	2.36	The Proponent shall undertake such works as may be necessary to stabilise the Pillar Water Tank as part of the relocation of that heritage item on the site...	Y	No change in status since the last Independent Audit – stabilisation and repair of Pillar Water Tank located near Tarpaulin Factory still to take place.
		Waste Generation and Management:		
28.	2.39	All waste materials removed from the site shall only be directed to a waste management facility lawfully permitted to accept the materials.	Y	A "Waste Export Record" Spread sheet was maintained (for material that was not capped on site) reflecting off-site movements of 115 tonnes for the period 2011/12. These were supplemented by waste disposal dockets e.g. 0.09 tonnes of asbestos containing material on 8/12/12 disposed at the Kemps Creek landfill. Also, recycling initiatives e.g. tyres, poles etc. General Solid (Non-Putrescible) Wastes are collected from site in skip bins by the Waste Contractor, Bingo. Bingo waste management & recycling report of Nov' 12 was sighted and it indicates wastes are sorted into categories for recycling reflecting 83% recycled.
29.	2.40	The Proponent shall ensure that all liquid and/ or non-liquid waste generated, stored on the site or disposed of, is assessed and classified in accordance with the Waste Classification Guidelines (DECC 2008).	Y	No liquid waste generated or discovered since that of Mega Poxy drums classified as F110, by EnviroPacific Services on 30/6/12 and disposed of by Worth Recycling.

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
30.	2.41	The Proponent shall ensure that the transport of any hazardous and/ or industrial and/ or Group A waste from the site is conducted strictly in accordance with any requirements that may be specified by the DECC in relation to the transport of those wastes.	Y	As above
31	2.42	The Proponent shall ensure that contaminated areas of the site that are disturbed by construction works associated with the project are remediated prior to the commencement of project operations at these areas. All remediation works shall be undertaken in accordance with the requirements of the Contaminated Land Management Act 1997 and Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites (EPA 1997).	Y	<p>Refer to 2011 Independent Environmental Audit Report for detail on asbestos management being conducted under supervision of a Site Auditor accredited under the Contaminated Land Management Act.</p> <p>Involvement of Waste Management Contractor EnviroPacific Services continued, typically for Class 1 & 2 Asbestos work.</p> <p>7 ACM cells had been created on site, with a new proposal to use the basin within Area F, prior to capping, approved by SPC on 25/10/12.</p> <p>Sighted capped areas being enclosed by fencing and displaying Danger / Warning signs</p>
32.	2.43	Prior to the commencement of construction works associated with the project that may disturb contaminated areas of the site, the Proponent shall submit to the DG a Site Audit Statement(s), prepared by an accredited Site Auditor..verifying that the area of the site on which construction is to be undertaken has been or can be remediated to a standard consistent with the intended land use... A final Site Audit Statement (s), prepared by an accredited Site Auditor, certifying that the contaminated areas have been remediated to a standard consistent with the intended land use is to be submitted to the DG prior to operation of the remediated site/s.	Y	<p>Refer to 2011 Independent Environmental Audit Report for details on RAP and Site Audit Statements.</p> <p>Sighted examples of Hibbs & Associated Movement Confirmation Reports, reflecting tracking of the following:</p> <ul style="list-style-type: none"> • Cell 1 to Cell 5 Ref S6840 L11 dated Feb'2012 • Stockpile 5 to Cell 5 extension Ref S6840 L15 dated March'12 <p>There have not been any Site Audit Statements, since 14/09/2010 (JE001A), and the last Asbestos Impacted Materials Summary Report covered the period Dec'11 – April'12. Sighted working data for compilation of the next report, this currently being internally verified.</p>



Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
33.	2.44	The Proponent shall manage any asbestos or asbestos-contaminated materials that may be uncovered during the construction..in accordance with the requirements under <i>Protection of the Environment Operations (Waste) Regulation 2005</i> and any guidelines or requirements issued by the DECC in relation to those materials.	Y	Unexpected discoveries of asbestos materials are covered by the Unexpected Finds Procedure - Contamination, Asbestos & Acid Sulphate Soil. A recent discovery included that near the southern bridge abutment.
		Visual Amenity and Urban Design:		
34.	2.45	The Proponent shall ensure that all structures on the Site are designed, constructed and maintained to maximise, where practicable, the use of natural ventilation and natural lighting, and to minimise energy consumption associated with heating, cooling and lighting.	N/A	Not applicable to this stage of the Project
35.	2.46	The Proponent shall ensure that all external lighting installed as part of the project is mounted, screened, and directed in such a manner so as not to create a nuisance to surrounding land uses. The lighting shall be the minimum level of illumination necessary, and be in general accordance with the latest version of AS 4282 – 1997 <i>Control of the Obtrusive Effects of Outdoor Lighting</i> .	Y	No permanent lighting installed during the period. OOHW mitigation measures include LCPL's Environmental Manager and/or Site Supervisors checking for light spill to surrounding areas, especially in the direction of residents, during the use of floodlights/ day-makers for evening and night-time construction activities outside of standard hours (refer to CoA 2.15 and 2.16).
36.	2.47	Prior to the commencement of construction of each warehouse associated with the project (refer to Condition 1.6 of this approval), the Proponent shall submit, for the approval of the Director-General, details of the external façade for the warehouse, including demonstration of the façade(s) on an external finishing board. The finishing board shall clearly show the materials to be used for the building façade including details of external treatments of the warehouse (such as painting, and other external features aimed at reducing the bulk of the building and to improve the general	N/A	Not applicable to this stage of the Project

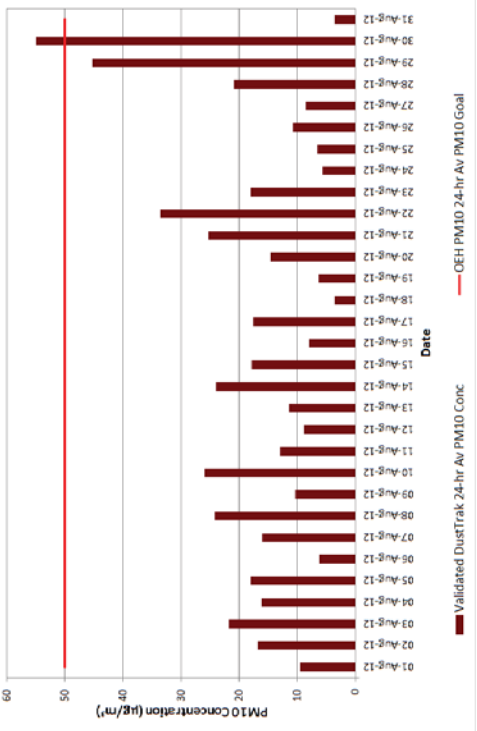
Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
		appearance of the project). The finishing board shall demonstrate that the external treatments of the warehouse are non-reflective and of sufficient design quality to minimise the visual affects of the project, as far as is reasonable and feasible.		
37.	2.48	<p>Ecological Impacts</p> <p>The Proponent shall implement all of the relevant actions for the site recommended in the <i>Management Plan for the Green and Golden Bell Frog Key Population at Greenacre</i> (DECC, May 2007)...</p> <p>These actions shall be incorporated within both the Construction Environmental Management Plan (refer to condition 6.2)... and periodically reporting outcomes to the DECC at a frequency agreed with the DECC.</p>	Y	<p>Continued to use services of SPC Herpetologist, Dr Arthur White from Biosphere.</p> <p><u>SPC Compliance Tracking Report for the last period ending April 2012</u> stated:</p> <p>"In October 2011, Sydney Ports' consulting herpetologist, Dr Arthur White, provided clarification of activities that can be undertaken in the Frog Habitat Area without need for a clearance. Frog clearances have been provided by Dr White in existing or potential frog habitat areas during the reporting period prior to works in the inspected areas. Herbicides were used on four occasions within the Frog Ponds Area for approved spot applications. Restrictions on the use of herbicides and pesticides, in accordance with part c) of this condition, are contained in the FPP, FMP and CEMP Flora & Fauna Management Plan".</p> <p>LCPL have been trained to conduct their own frog searches / clearances, which took place by the LCPL Environment Team in non-potential frog habitat areas per the FPP e.g. Site Visit Forms used to records this activity</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
38.	2.48A	<p>The Proponent shall implement the mitigation measures identified in Section 7.1 of the <i>ILC at Enfield Impact Assessment on Green and Golden Bell Frogs: Addition of Fill Material to Mt Enfield</i> (Biosphere Environmental Consultants Pty Ltd, 2011). These actions shall be incorporated within the Construction Environmental Management Plan (condition 6.2 of this approval) and the Operation Environment Management Plan (condition 6.4 of this approval), as relevant.</p>	Y	<p>Version 1.02 of the "Stage 3 Construction Environmental Management Plan (CEMP) Addendum - Onsite Reuse of Unsuitable Engineering Fill Management Plan incorporating Mt Enfield Stabilisation Management Plan and other Modification Application 5 conditions and commitments" dated 5/2/12 addressed Mitigation Measures at 4.1, including but not limited to "north-south haul road to Mt Enfield must be inspected after all rainfall events"</p> <p>Physical controls observed during the inspection component of this Independent Audit, included run-off protection, fencing and shade cloth frog fencing, some of which is indicated below:</p>  <p>Required monitoring activities included the use of the Stockpile 4 Weekly Checklist addressing North-South haulage road checks (item 8) and predator inspections (item 11). Sighted checks of 26/10, 2/11, 9/11, 16/11, 24/11 & 30/11/12. Inspection of 9/11/12 indicated rainy conditions, noting "no run-off into frog ponds, no frog sightings and no issues on north-south haul road"</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
39	2.49	<p>Hazards, Risk and Land Use Safety</p> <p>All demolition work shall be carried out in accordance with AS 2601-2001 <i>The Demolition of Structures</i>.</p>	Y	<p>Enviroacific Services (Restricted Demolition & Friable Asbestos work Licence 203785 expiry 30/3/2013) managed the demolished of the WP Building / ATF Sheds on 4/5/12 and supervised by their Demolition Supervisor. Bulk Transport Solutions (BTS) were the licensed transporter, EPL 13340 renewable on 26/10/15.</p>
40.	2.50	<p>The Proponent shall store and handle all Dangerous Goods ... strictly in accordance with:</p> <ul style="list-style-type: none"> a) all relevant Australian Standards; b) a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and c) the DECC's Environment Protection Manual Technical Bulletin <i>Bundling and Spill Management</i>... 	OFI	<p>A designated secure, roofed but unsealed Chemical Store was in use. However, some minor amounts of packaged chemicals stored were overhanging drip trays and a few were stored on the floor. Also, the drip tray walls / sides were collapsing and potentially unable to contain the volume of leaks.</p> 

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
41.	2.51	The Proponent shall investigate, in consultation with relevant emergency services, whether additional measures are required along Cosgrove Road, including parking restrictions, to ensure clear and safe access to the Site in the event of an emergency	Y	SPC Compliance Tracking Report for the last period ending April 2012 stated: "Reflected in design of Cosgrove Road entrance, and no change in status"
42.	2.51A	Prior to commencement of spoil transportation and spoil disposal associated with Mt Enfield requiring the crossing of the Ethylene pipeline, the Proponent shall in consultation with Qenos Pty Ltd, determine truck crossing points of the pipeline and any required works to protect the pipeline.	N/A	Not required as yet and/or envisaged.
Community Infrastructure and Enhancements:				
43.	2.52	Prior to the commencement of operation of the project, the Proponent shall develop in consultation with Strathfield Municipal Council and Bankstown City Council, a Community Enhancement Program to fund...	Y	SPC Compliance Tracking Report for the last period ending April 2012 stated: BCC projects have been completed. Photos provided in SPC Compliance Tracking Report. Strathfield Council has sought quotations for the design of the roundabouts as detailed in submission dated 16 April 2011 and is currently assessing the quotes. SPC indicated that the RTCG meeting of 5/12/12 discussed the possibility of this work taking place over Christmas.

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
45.	3.2	<p>The Proponent shall, from the commencement of soil disturbing works on the site until all large exposed areas have either been landscaped or sealed, continuously monitor ambient dust concentrations (PM10) at two of the most-affected residential receptor(s) to the site (with monitoring undertaken either on the boundary of the site or within the affected residential areas) employing the sampling and analysis methods specified under AM-18 or AS3580.9.8 or as otherwise agreed by the DG. Results of dust monitoring shall be recorded... and shall be utilised for the purpose of site preparation and construction dust management...</p>	Y	<p>Sighted as continuously monitored by SLR (Heggies) in their Monthly Dust Monitoring Reports for 2012 from the following monitoring stations:</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>South-Eastern AQMS (TEOM) within weather station</p> </div> <div style="text-align: center;">  <p>North-Western AQMS (DustTrak)</p> </div> </div> <p>Records from both these stations and the Canterbury BOM were assessed by SLR to establish regional affects which might explain anomalies given site activities at the time and controls such as water carts and "slowing or ceasing" work.</p> <p>Nonetheless high values were being investigated and recorded as Environment File Notes e.g. 14/5/12 & 18/7/12</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
46	3.2	Cont'd	Y	 <p data-bbox="758 168 853 907">Extract from a Monthly Dust Monitoring Report. Other results for 2012 YTD were consistently lower than the 50 µg/m³ target, with very few spikes as indicated above.</p>
47.	3.3-3.9	Noise & traffic auditing conditions related to operational stage of Project	N/A	Not applicable to current stage of Project
COMPLIANCE MONITORING & TRACKING				
48.	4.1	<p>The Proponent shall develop and implement a Compliance Tracking Program to track compliance with the requirements of this approval. The Program shall include, but not necessarily limited to:</p> <ul style="list-style-type: none"> a) provisions for periodic review of the compliance status of the project approvals; b) provisions for periodic reporting of compliance status to the Director-General; c) a program for independent environmental auditing at least annually...and d) mechanisms for rectifying any non-compliance identified during environmental auditing or review of compliance". 	Y	<p>A Compliance Tracking Program (August 2008) available on website defined the process and components as being:</p> <ol style="list-style-type: none"> 1) 3 monthly report to SPC 2) Annual report to SPC 3) an annual independent audit per MCoA <p>Sighted summary monthly report email from LCPL to SPC, and a very detailed and thorough ILC Compliance Tracking Report (April 2012). The latter in the Summary Table page 3 indicated all conditions as "compliant"</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
COMMUNITY INFORMATION, CONSULTATION & INVOLVEMENT				
49.	5.1	Subject to confidentiality, the Proponent shall make all documents required under this Approval available for public inspection on request.	OFI	<p>Most required and additional documentation was available on SPC Project website and the Project Contacts section thereof provides contact details for additional information.</p> <p>However, the SPC ILC project website does not explicitly state that subject to confidentiality all documents required by Project Approvals will be made available for inspection upon request.</p>
50.	5.2	Prior to the commencement of construction of the project, the Proponent shall ensure that the following are available for community complaints and enquiries for the life of the project (including construction and operation....The telephone number, the postal address and the email address shall be displayed on a sign near the entrance to the site, in a position that is clearly visible to the public, and which clearly indicates the purposes of the sign. This information is also to be provided on the Proponent's website.	Y	All required contact details are displayed on signs at prominent locations on external site boundary & entry gates and are available on website including telephone, email and postal address and query/feedback form
51.	5.3	The Proponent shall record details of all complaints received through the means listed under condition 5.2 of this approval in an up-to-date Complaints Register. The Register shall record, but not necessarily be limited to...	Y	<p>The Project Stakeholder Register (viewed in the Aconex project management system) included information required to be recorded by this condition.</p> <p>For the period since the last independent audit there were 148 enquiry records, with very few complaints, some such as that of 20/9/12 pertained to non-approval (REF-based) minor works in the surrounding suburbs.</p> <p>Note: All non-enquiry entries were being recorded as "meeting minutes" so it was not possible to readily observe complaints, this reliant on the use of a complaint key word being used in the text.</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
52.	5.4	<p>The Proponent shall establish and maintain a new website, or dedicated pages within its existing website for the provision of electronic information associated with the project. The Proponent shall publish and maintain up-to-date information on this website or dedicated pages including, but not necessarily limited to:</p> <ul style="list-style-type: none"> a) a copy of the documents referred to under condition 1.1 of this approval, and any documentation supporting modifications to this approval that may be granted from time to time; b) a copy of this approval and each relevant environmental approval, licence or permit required and obtained in relation to the project; c) a copy of each strategy, plan, program and audit required under this approval; and d) the outcomes of compliance tracking in accordance with condition 4.1 of this approval. 	Y	<p>ILC Project specific website found at http://www.sydneyports.com.au/port_development/enfield</p> <p>included information & documents required by this condition.</p> <p>Noted - Whilst annual independent audit reports (a one-off snapshot) were posted on the website, other outcomes of (ongoing) compliance tracking were not posted on the project webpage as required by MCoA 5.4 (d) as SPC considered these to be confidential.</p>
ENVIRONMENTAL MANAGEMENT				
53.	6.2	<p>Prior to the commencement of site preparation works or construction of the project, the Proponent shall prepare and submit for the approval of the Director-General a Construction Environmental Management Plan to detail an environmental management framework, practices and procedures to be followed during site preparation and construction of the project. The Plan shall be prepared in accordance with <i>Guideline for the Preparation of Environmental Management Plans</i> (DIPNR 2004) and shall include, but not necessarily be limited to....</p> <p>The Construction Environmental Plan shall be made available for inspection by the public upon request following its approval by the Director-General.</p>	Y	<p>Six CEMPs have been approved by the Director-General to date (Stage 1A, 1B, 1C, 2, 3 and 3 Addendum) with all available on the ILC website.</p>

Item	CoA	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of Implementation
54.	6.3	As part of the Construction Environmental Management Plan for the project, required under condition 6.2 of this approval, the Proponent shall prepare and implement the following Management Plans: a) Construction Noise Management Plan b) Construction Traffic Protocol c) Heritage Interpretation Plan & Strategy d) Landscape & Ecological Area Management Plan e) Construction Dust Management Protocol f) A Mount Enfield Stabilisation Management Plan	Y	Required Management Plans sighted as available included: <ul style="list-style-type: none"> Noise & Vibration dated 17/5/11 Air Quality & Dust Management dated 17/5/11 Noise Management dated 17/5/11 Soil & Water version 3.1 dated 22/3/12 Implementation of CEMP was checked by means of a "sample" of system requirements and mitigation measures covered further in a separate section of <u>this</u> Appendix.
55.	6.4- 6.6	Conditions relating to Operational Environmental Management Plan	N/A	Not applicable to current stage of Project
ENVIRONMENTAL REPORTING				
56.	7.1	The Proponent shall notify the Director-General of any incident with actual or potential significant off-Site impacts on people or the biophysical environment as soon as practicable after the occurrence of the incident. The Proponent shall provide written details of the incident to the Director-General within seven days of the date on which the incident occurred.	Y	No actual or potentially significant environmental incidents occurred during the reporting period, both as verbalised by LCPL and as stated in the SPC Compliance Tracking Report dated April 2012.
57.	7.2	The Proponent shall maintain a register of accidents, incidents and potential incidents with actual or potential significant off-Site impacts on people or the biophysical environment. The register shall be made available for inspection at any time by the independent qualified person or team conducting the Environmental Audit and/or the Director-General.	Y	An Incident database (Cintellate System) was in place. Sighted report for 22/8/12 Water cart fuel tank rupture. Approx. 80L of fuel was spilled on the ground, but contained with no offsite release. Also sighted investigation documentation for slight dust exceedence on 30 August, attributable to regional effects, noted up to 7 water carts had been used.
58.	7.3	The Proponent shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this approval, reported in accordance with condition 7.1 of this consent, within such period as the Director-General may agree.	N/A	No incidents reported to DG

Appendix 4: STATEMENTS OF COMMITMENTS (selected sample)


Item	SoC	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
S1		<p><u>Minimise impacts of ILC on surrounding amenity</u> CEMP to include (other than those plans required under CoA 6.3):</p> <ul style="list-style-type: none"> • Soils & contamination • Hydrology & water quality • Waste management (see SoC below) • Energy & water (see SoC below) 	Y	<p>Sighed sub plans to CEMP as covered in Item 54 previous.</p> <p>Selected impacts and mitigation measures were assessed during <u>this</u> Independent Audit.</p>
S2		<p><u>Minimise dust emissions during construction</u> Dust Management Plan to include:</p> <ul style="list-style-type: none"> • Construction of wind breaks • Minimise area of exposed land 	Y	As per above
S3		<p><u>No increased sedimentation of nearby waterways</u> Prepare Soil & Water Management Plan consistent with Blue Book</p>	Y	ESCPs sighted during audit include reference to Blue Book
S4		<p><u>Minimise visual impacts during construction</u> Landscaping and noise mounds installed during early stages of construction to screen site appropriate for location and type of activities being carried out. Mounds to be revegetated as soon as possible during construction</p>	Y	Eastern noise mound has been installed, photo earlier in this report.
S5		<p><u>Minimise waste generated and maximise re-use and recycling. Waste disposal to be undertaken when re-use and recycle is not possible</u> A Waste Management Plan (WMP) would be prepared and implemented. This would include...</p>	Y	Waste, Reuse & Recycling Management Plan included as sub plan in Stage 3 CEMP
S6		<p><u>Manage energy usage and water consumption</u> Energy and Water Management Strategies will be developed as part of CEMP. Suitable measures would be identified and implemented during the construction phase. Energy management measures could include...</p>	Y	Energy & Water Management Plan included as sub plan to Stage 3 CEMP

Appendix 5: STAGE 3 CEMP IMPLEMENTATION (LCPL)

Also includes selected components of Stage 3 CEMP Addendum

Item	CEMP Sect.	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
E1.	12.1.2	Establish Environment Committee & meet at least every 3mths	Y	Safety & Health Committee established, new members indicated on document dated 2/7/12 LCPL Environment staff attend most times with coverage of environmental issues evidenced by minutes sighted from meetings held on 26/9/12, 14/11/12.
E2.	12.4.1	Site Environmental Checklist completed on monthly basis by LCPL's EM & PM	Y	Site Environmental Checklists sighted and completed by Environment Team, also as indicated throughout this report. Other verification records included specific impact specific Site Visit Records e.g. post rainfall on 9/11/12 and frog clearance on 5/10/12.
E3.	12.4.3	6-mthly LCPL internal environmental audits to be undertaken	Y	Two audits were conducted during March and November 2012, reflecting good control of the site, raising 5 and 9 findings respectively.
E4.		Cont'd	OFI	The LCPL Environment Branch audits did not assess and evidence compliance verification of project specific mitigation measures as explicitly required per section 5 of the various sub plans. Whilst report reflected pertinent findings, the scope appeared to be quite general in nature, only referencing the CEMP generally, but not any sub plans or associated tools or project specific mitigation measures. Furthermore, documentation did not reference scope or audit criteria either, and the associated checklist was generically applicable to any site, containing simple checkpoints such as "dust suppression measures in place"

Item	CEMP Sect.	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
E5.	12.4.4	Corrective Action	OFI	The CEMP does not give firm guidance on HOW the corrective action process resulting from audits will be managed to effective and timely conclusion, merely stating that "action will be linked to the record of the event"
E6.		Corrective Action, continued	OFI	<p>Actions pertaining to internal and external audits were not being completed in a timely manner, with no apparent target dates and follow up process evident, given observations below:</p> <p>a) Independent Audit Finding of 2010 pertaining to Leighton's Environmental Essentials Training (EET) not being implemented until July 2011 for replacement ERSED training to be conducted and amendment to the Stage 3 CEMP had not been formalised / approved, the CEMP only being updated (pending approval) on 5/12/12 the day before <u>this</u> audit</p> <p>b) Emails dated 8 August 2012 and 24 October 2012 still reflected debate and request for reconsideration of Action Item raised in the internal Branch Audit dated 26 March 2012 pertaining to ARM risks needing review to ensure linkages to risks identified in CEMP (implies sub plans as well).</p> <p>It was noted that some recommendations in the latest Branch Audit of November 2012 should be addressed as a matter of importance, including but not limited to validation of the Gate E2 basin size, given its discharge route to stormwater.</p>
E7.	Addendum 4.1.1	<p>CEMP Addendum Fauna & Flora Mitigation Measures include:</p> <ul style="list-style-type: none"> • All run-off from the active work areas will be directed to a sedimentation basin • Section of the adjacent access road will have shade cloth installed • Frog ponds and potential habitat will remain frog fenced for the duration of the filling works • Completed fill areas will be progressively rehabilitated 	Y	<p>Clean and dirty water diversions sighted</p> <p>Shade cloth sighted in use</p> <p>Fencing in place</p> <p>Established revegetation and spray grass sighted as progressing</p>

Item	CEMP Sect.	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
E8.	NVMP s4.1	<p>Mitigation Measures include:</p> <ul style="list-style-type: none"> • Non-tonal reversing beepers or smart alarms must be fitted and used on all construction vehicles and mobile plant regularly used on site and for any out of hours work, unless a safety risk assessment requires a tonal beeper • An ongoing programme of inspection and/or testing, undertaken on a risk-based approach, will assess plant and equipment. 	Y	<p>Non tonal reversing beepers on mobile plant observed during site inspection</p> <p>Checklist sighted as used – recorded earlier in this report</p>
E9.	Soil & Water Mgt Plan s4.1	<p>Mitigation Measures include:</p> <ul style="list-style-type: none"> • Evidence of testing & approval of water discharges by EM under the Water Release Approval Tool • Water to be discharged from site is to be treated and tested to meet ANZECC water quality criteria for protection of aquatic ecosystems, that is, no visible oil/grease, NTU <50 and pH 6.5 - 8.5 • All discharges from basins are to be recorded on the Sedimentation Basin Checklist (Appendix D) • Re-fuelling operations away from drains and water courses 	Y	<p>Sediment Basin Checklists sighted as used – recorded earlier in this report</p> <p>Dedicated re-fuelling stations in place, seemingly located away from drains / watercourses. Photo overleaf</p>
E10.	Cont'd	<p>Soil & Water mitigation</p> <ul style="list-style-type: none"> • Re-fuelling operations away from drains and water courses 	Y	

Item	CEMP Sect.	Summary of Requirements	Compliance Status Y/N/Closed	Evidence of implementation
E11.	Air quality & Dust MP s4.1	<p>Mitigation Measures include:</p> <ul style="list-style-type: none"> Undertake regular watering of active work area, including stockpiles and loads of soil being transported, to reduce wind-blown dust emissions and monitor throughout the day Haulage trucks to use sealed or stabilised haul roads where possible when transporting materials on and off site 	Y	<p>Water carts observed on the day during site inspection, as indicated earlier in this report</p> <p>Internal haulage roads sealed and/or stabilised, as reported earlier</p>
E12.	Flora & Fauna MP s4.1	<p>Mitigation Measures include:</p> <ul style="list-style-type: none"> Prior to any works being carried out within the potential frog habitat areas, frog clearances must be carried out by Sydney Ports' Consulting Herpetologist and a clearance letter issued by the Consulting Herpetologist Temporary frog protection fences must be erected around areas of potential GGBF habitat prior to any works being carried out either in or adjacent to these areas 	Y	<p>Some minor clearance work being undertaken by LCPL Environment Manager e.g. Visit Record of 10/4/12 under authority and guidance of A White, as indicated earlier in this report. Biosphere Surveys by A White sighted for 13/3/12, 8/5/12</p> <p>Frog fencing observed during site inspection around identified GGBF habitat areas.</p>

Appendix 6: AUDIT ATTENDANCE REGISTER

AUDITEE: SPC & LCPL AUDIT: Independent Environmental no.4 SITE: Enfield		6 th Dec 2012		6 th December 2012	
NAME (print)	POSITION & ORGANIZATION	BRIEFING	ENTRY	EXIT	
Larry Weiss	Lead Auditor QEM		<i>[Signature]</i>		
ALISON TOULLE	Environmental Advisor Evans + Peck		<i>[Signature]</i>	<i>[Signature]</i>	
BRUCE ROYDS	Projects Manager Syngenta Corp.		<i>[Signature]</i>	<i>[Signature]</i>	
SIMON FISHER	ENVIRONMENT COORDINATOR LCPL		<i>[Signature]</i>	<i>[Signature]</i>	
GEORGE KOLLIAS	ENVIRONMENT MANAGER LCPL		<i>[Signature]</i>	<i>[Signature]</i>	
Adam Koutsouramani	Environmental Project Officer Evans + Peck		<i>[Signature]</i>	<i>[Signature]</i>	
STEVE FERMI	ENV + PLANNING MGR LEAD LEAST		<i>[Signature]</i>	<i>[Signature]</i>	
TERRY DAY	Project Man Evans + Peck		<i>[Signature]</i>	<i>[Signature]</i>	