

Annexure 7

Compliance Schedule for Relevant Development Consent Conditions for Calga Sand Quarry Activities during 2011

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Annexure 7
Internal Compliance Audit of Relevant Development Consent Conditions
for Calga Sand Quarry Activities during 2011

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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 2: GENERAL ADMINISTRATION CONDITIONS				
Obligation to Minimise Harm to the Environment				
2/1	Implement all practicable measures to prevent and/or minimise any harm to the environment.	Y	Ongoing Monitoring.	D
Terms of Approval				
2/2	Carry out the development in accordance with			
	a) DA 94-4-2004;	Y	Monitoring and Reporting.	D
	b) EIS, dated 2004;	Y	Monitoring and Reporting.	D
	c) Amendment Report dated June 2005; and	Y	Monitoring.	D
	d) Conditions of this development consent.	Y	Management Plans.	D
2/3	The most recent document shall prevail to the extent of the inconsistency.	Y	Amendment to proposal as Development DA 94-4-2004.	D
2/4	Comply with any reasonable requirement/s of the Director-General.	Y	Operating to Consent Conditions. Letter 2011 for graphical representation of monitoring results in AEMR.	D
Limits on Approval				
2/5	Consent shall lapse on 1 July 2030.	NYA	Not Due.	
2/6	Consent is granted for Stage 3 only.	Y	Operations only in Stage 3.	O
2/7	Not transport more than 400 000 tonnes of product per year.	Y	Sales records confirm 259 484.03 tonnes transported from site in 2011.	D
Structural Adequacy				
2/8	Any new buildings and structures are constructed in accordance with BCA.	NA	No new Buildings or Structures in 2011.	O
Demolition				
2/9	Ensure that all demolition work is carried out in accordance with AS 2601-2001.	Y	House removal approved by Gosford City Council.	D
Protection of Public Infrastructure				
2/10a	Pay costs to repair to relocate any public infrastructure.	NA	No infrastructure required to relocate.	O
Operation of Plant and Equipment				
2/11	Ensure that all plant and equipment is:			
	a) Maintained in a proper and efficient condition; and	Y	Plant maintained by original equipment manufacturer	D
	b) Operated in a proper and efficient manner.	Y	Operators appropriately trained with procedures for environment and safety.	O
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 3: SPECIFIC ENVIRONMENTAL CONDITIONS				
Identification of Boundaries				
3/1	Survey and submit plans to the Director-General before development.	Y	Completed 28/1/04 Signed Plan retained at Guildford.	D
NOISE				
Impact Assessment Criteria				
3/2	Ensure noise does not exceed criteria nominated in Table 1.	N	Two exceedances for noise attended monitoring (16/12/2011).	D
Land Acquisition				
3/3	Noise generated should not exceed 5dB(A) with land acquisition to be undertaken if requested, if non-compliant.	Y	Minor exceedance during attended monitoring, diesel pump exhaust failure Re-tested and now compliant in January 2012	D
Noise Mitigation				
3/4	Acoustic barriers to be constructed before extraction.	Y	Completed and accepted by Director-General via letter dated 13/01/06. Ongoing rehabilitation work.	D
Operating Hours				
3/5	Ensure operating hours do not exceed allowances.	Y	Conditions adhered to.	D
3/6	Notify DEC if certain circumstances warrant activities to be undertaken outside scheduled hours.	Y	No work outside scheduled hours in 2011.	O
Monitoring Program				
3/7	Implement a noise monitoring program prior to any development being undertaken.	Y	Program operating as Noise Management Program as approved by Director-General on 13 March 2006 (See Annexure 8).	D
AIR QUALITY				
Impact Assessment Criteria				
3/8	Ensure generated dust does not cause any exceedances of the tabulated criteria at any residence or on 25% of privately owned land.	Y	Dust monitoring program complied with Carbon Based Environmental Pty Ltd. Results confirm deposited dust levels are below nominated criteria.	D
Air Quality Monitoring Program				
3/9	Implement an air quality monitoring program prior to any development being undertaken.	Y	Program implemented and accepted on 13 March 2006 by Director-General prior to commencement.	D
SURFACE AND GROUNDWATER				
Groundwater Impact Assessment Criteria				
3/10	Compensate where >10% of surrounding privately owned groundwater bores are impacted upon.	NYA	Monitoring and comparisons have shown that the quarry operations have had no adverse effects on surrounding groundwater bores.	D
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 3: SPECIFIC ENVIRONMENTAL CONDITIONS (CONT'D)				
SURFACE AND GROUNDWATER (Cont'd)				
Monitoring and Management				
3/11	Prepare and implement a Water Management Plan prior to any development incorporating nominated components. Inclusions in monitoring and Management.	Y	Program accepted by Director-General on 13 March 2006 (See Annexure 8). Implemented and operated	D
Erosion and Sediment Control Plan				
3/13	Inclusions in Erosion and Sediment Control Plan.	Y	Sediment controls in place with sediment dams prior to main dams	O
Surface Water Monitoring Plan				
3/14	Inclusions in Surface Water Monitoring Program.	Y	Surface water program implemented and sampled monthly, Carbon Based Reports	D
Groundwater Monitoring Plan				
3/15	Inclusions in Groundwater Monitoring Plan.	Y	Ground water program implemented and sampled monthly,	D
Groundwater Contingency Strategy				
3/16	Prepare a Groundwater Contingency Strategy within 6 months of the consent date.	Y	Ground water strategy prepared. Not yet acted on, not required as no adverse groundwater effects reported to date.	D
Annual Independent Groundwater Audit				
3/17	Undertake an independent groundwater audit by a suitably qualified and Director-General approved hydrogeologist.	Y	Audit as per consent by Director-General approved Hydrogeologist (See Annexure 8)	D
Reporting				
3/18	a) Annually review and update (if necessary) the water management plan	Y	Monitoring done every month plan requires 3 monthly testing. Management plan not updated during 2011.	D
	b) Report the results of the review in the AEMR	Y	Reviewed by RPS Aquaterra for comparison results	D
Quarry Closure Groundwater Management Plan				
3/19	Commission an independent hydrogeologist to assess the long term impacts of the final void on groundwater resources – prior to extraction in Stage 3/6.	N	Surface extraction commenced in Stage 3/6. A hydrogeologist will assess long term impacts prior to recommencement in Stage 3/6 or 5 years prior to extracting from that stage.	ND
METEOROLOGICAL MONITORING				
3/20	a) Prior to commencement weather station is to be installed and maintained within the Project Site.	Y	Weather station approved by Director-General and reported on monthly.	D
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 3: SPECIFIC ENVIRONMENTAL CONDITIONS (CONT'D)				
SURFACE AND GROUNDWATER (Cont'd)				
Rehabilitation and Landscaping				
3/21	Progressively rehabilitate the site in general consistency with the concept final landform.	Y	Rehabilitation restricted to bund and silt pond recovery capping areas not available for final landform in 2011.	O
Rehabilitation and Landscape Management Plan				
3/22	Prepare within 6 months of development consent a Landscape Development Plan with nominated conclusions.	Y	Landscape and Rehabilitation plan approved by Director-General.	D
3/23	Provide the plan to the Director-General after the initial 4 years and every 5 years thereafter.	Y	Plan approved by Director-General plan due for review in 2012.	D
Rehabilitation Bond				
3/24	Within 12 months of consent lodge a rehabilitation bond is with the Director-General.	Y	Bond lodged and Reviewed in 2011. Records at Guildford.	D
3/25	Review and revise rehabilitation bond after the initial 4 years (2009) and every 5 years thereafter after 2014, 2019).	Y	Revised in 2011 – Currently \$533,128.	D
Traffic and Transport				
Site Access				
3/26	Seal the internal access road from the site entrance to Stage 3 and the Administration Area.	Y	Approved by Director-General prior to commencement.	D
3/27	Painted seagull arrangements to be implemented on Peats Ridge Road prior to any development being undertaken.	Y	Approved by Director-General prior to Commencement in a letter dated 13/01/06 (See Annexure 8).	D
3/28	Ensure the long term access road is designed to accommodate:			
	a) Heavy vehicle turning paths for left hand turns from Peats Ridge Road.	Y	Contractor certified RTA approved Contractor.	O
	b) Vehicular access to the pit floor.	Y	Department of Industry and Investment reviewed traffic management plans.	D
Parking				
3/29	Sufficient parking to be provided on site for all quarry related traffic.	Y	Car park constructed as per Council Code.	O
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 3: SPECIFIC ENVIRONMENTAL CONDITIONS (CONT'D)				
Traffic and Transport (Cont'd)				
Road Haulage				
3/30	Ensure all loaded vehicles are covered.	Y	Site entry conditions.	A
3/31	Ensure all loaded vehicles are cleaned of materials before leaving site.	Y	Site entry conditions Inductions and observations.	A
Visual Impact				
3/32	a) Implement measures to minimise visual impacts.	Y	Bunding and rehabilitation Colour bond fence.	O
	b) Establish, maintain acoustic barriers.	Y	Bunding and Colour bond Fence.	D
	c) Provide progress reports in the AEMR.	Y	AEMR produced from consultant reports.	D
3/33	Limit offsite lighting impacts.	Y	No lighting off site.	O
3/34	Comply with the AS4282 – Control of Obtrusive Effects of Outdoor Lighting.	Y	No lighting off site.	O
Waste Management				
3/35	Requirements in Waste Management.	Y	Documentation for waste removal.	D
Hazard Management				
3/36	Ensure the storage, handling and transport of dangerous goods in accordance with the relevant Australian Standards.	Y	Storage of diesel and oils in approved bunds.	D
Safety				
3/37	Secure the development to ensure public safety.	Y	Fences and gates in place.	O
Bushfire Management				
3/38	a) Ensure the development is adequately equipped to respond to fires.	Y	Registered Water truck and loaders water dam and diesel pumps for emergency.	O
	b) Assist the RFS as much as possible if a fire is on site.	NYA	Not required.	A
Production Data				
3/39	Provide data to the DPI and include a copy of the data in each AEMR.	Y	Data sent to I&I annually records at Guildford.	D
Quarry Exit Strategy				
3/40	Inclusions for Quarry Exit Strategy:	NYA	Exit strategy not applicable.	A
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 4: ADDITIONAL PROCEDURES				
Notification of Landowners				
4/1	Provide quarterly monitoring results to affected landowners and/or existing or future tenants if the results of monitoring required in Schedule 3 identify that impacts generated by the development are greater than impact assessment criteria. also notify the Director-General.	Y	Results on website and discussions with some neighbours. No impacts on neighbouring land owners greater than the assessment criteria.	A
Independent Review				
4/2	Commission an independent review of the quarry's impacts, if a warranted request is raised by a landowner who considers that the operations of the quarry are exceeding the impact assessment criteria in Schedule 3.	NYA	No sustained impacts exceeding the assessment criteria. No land owner requests.	A
4/3	If quarrying operations are complying with the relevant criteria in Schedule 3 then the independent review may discontinue with the approval of the Director-General.	NYA	Review not required. Ongoing compliance with consent.	A
4/4	Adopt procedures nominated for Independent Review.	NYA	Ongoing compliance.	O
4/5	If any landowner disputes the results of the independent review may be referred to the Director-General. If not resolved within 21 days, the Director-General shall refer the matter to an Independent Dispute Resolution Process.	NYA	Not required.	O
4/6	If any disputes arise from the implementation of the Groundwater Contingency Strategy (condition 16 of schedule 3), either party may refer the matter to the Director-General.	NA	Offers made to two neighbours to monitor groundwater – not accepted.	A
4/7	If, following an Independent Dispute Resolution Process, the Director-General is satisfied that the quarry is causing an exceedance of the groundwater impact assessment criteria, and that compensatory water supply would not provide an acceptable alternative long-term supply of water to the affected landowner that is equivalent to the loss attributed to quarrying related impacts, then the Director-General may grant land acquisition rights to the affected landowner.	NYA	No disputes or exceedances of the assessment criteria.	D
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SCHEDULE 4: ADDITIONAL PROCEDURES (CONT'D)				
Land Acquisition				
4/8	Provide offer to purchase to landowner with acquisition rights.	NYA	Not required 2011.	O
4/9	Cover costs for the valuation or survey assessment requested by the independent valuer, panel, or the Director-General.	NYA	Not required 2011.	O
4/10	Cover all reasonable costs associated with obtaining Council approval for any plan of subdivision, and registration of the plan at the Office of the Registrar-General.	NYA	Not required in 2011.	O
SCHEDULE 5: ENVIRONMENTAL MANAGEMENT, MONITORING, AUDITING AND REPORTING				
Environmental Management Strategy				
5/1	Within 3 months of the date of the consent prepare an Environmental Management Strategy to the satisfaction of the Director-General.	Y	Approved by Director-General on 13 March 2006 (See Annexure 8).	D
5/2	Within 3 months of the date of the consent prepare an Environmental Monitoring Program to the satisfaction of the Director-General.	Y	Approved by Director-General on 13 March 2006 (See Annexure 8).	D
5/3	Within 3 months of each of the completion of the Independent Environmental Audit and to review and update the Environmental Monitoring Program to the satisfaction of the Director-General.	N	Some outstanding actions from Umwelt being completed in 2012.	A
5/4	Prepare and submit to the Director-General and the relevant agencies and nominated for the Annual Reporting.	Y	Annual reports forwarded to nominated agencies by R.W. Corkery and Co. Pty Limited.	A
Independent Environmental Audit				
5/5	Commission and Independent Environmental Audit within 3 years of the date of this consent and every 5 years thereafter (2013, 2018).	Y	Three year Audit completed next Audit due 2013.	D
5/6	A copy of the audit report must be submitted to the Director-General, Within 3 months of commissioning with a response to the report recommendations.	Y	Director-General reviewed Audit report at site when completed, some recommendations in the report being completed in 2012.	A
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Condition No.	Requirement	Compliance	Comment	Basis*
SCHEDULE 5: ENVIRONMENTAL MANAGEMENT, MONITORING, AUDITING AND REPORTING (CONT'D)				
Community Consultative Committee				
5/8	Within 6 months of the date of this consent establish a Community Consultative Committee place to oversee the environmental performance of the development.	Y	Committee established after advertising and door knock to get members letters sent to Gosford City Council and Director-General.	A
5/9	Adopt procedures nominated for the Community Consultative Committee.	Y	Committee recommendations adopted.	A
ACCESS TO INFORMATION				
5/10	Place publically available any management plan/strategy or monitoring program or environmental audits within 1 month of the approval of any.	Y	Management plans and strategies on web sites and hand delivered to neighbours.	A
5/11	Update the summary of all results updated every 3 months and make publicly available.	Y	Web site updated and results kept on site.	D
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Correspondence

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01 '06 10:39 FAX 0297628707

PLANNING NSW

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NSW GOVERNMENT
Department of Planning

Mining & Extractive Industries
Major Development Assessment

Phone: (02) 9228 6487
Fax: (02) 9228 6466
Email: david.kitto@dmir.nsw.gov.au
Level 4 Western Gallery
23-33 Bridge Street
GPO Box 89
SYDNEY NSW 2001

Mr John Gardiner
Regional Manager NSW and Victoria
Rocla Pty Limited
PO Box 36
GUILDFORD NSW 2161

Dear John

**Calga Sand Quarry (DA 94-4-2004)
Construction of Acoustic Bund**

I refer to your request to commence construction of the acoustic bund at the Calga Sand Quarry.

The Department is satisfied that Rocla has completed or substantially completed the pre-commencement requirements applicable to the acoustic bund construction. These include:

- condition 1, Identification of Boundaries – completed;
- conditions 7 and 9, Noise and Air Quality Monitoring Programs – substantially completed (drafts reviewed by Department, minor comments provided on 2nd draft);
- condition 11, Water Management Plan – 1st draft reviewed;
- condition 20, Meteorological Monitoring – completed; and
- condition 27, Intersection Works – completed.

With regard to the Water Management Plan, the Department is satisfied that the components applicable to the bund construction (ie. the erosion and sediment control plan) have been adequately completed.

Accordingly, on behalf of the Director-General I hereby approve Rocla's request to commence construction of the acoustic bund.

Yours sincerely

A handwritten signature in black ink, appearing to read 'D Kitto', followed by the date '13.11.06'.

David Kitto
Manager
Mining & Extractive Industries

cc P Slough
P McCue ✓
C Milliken



NSW GOVERNMENT
Department of Planning

Mining & Extractive Industries
Major Development Assessment
Phone: (02) 9228 6461
Fax: (02) 9228 6466
Email: mike.young@dipnr.nsw.gov.au
Level 4 Western Gallery
23-33 Bridge Street
GPO Box 39
SYDNEY NSW 2001

1-12-00
Mr John Gardiner
Rocla Quarry Products
72 Orchardleigh Street
GUILDFORD NSW 2161

Dear John

**Calga Sand Quarry (DA 94-4-2004)
Nomination of Groundwater Independent Auditor**

I refer to your letter dated 24 August 2006 addressed to the Department's John Sparkes, nominating Peter Dundon & Associates Pty Ltd to undertake an independent audit of the groundwater impacts of the quarry operation.

In accordance with condition 17 of schedule 3 of the development consent (DA 94-4-2004), I hereby approve the appointment on behalf of the Director-General.

Please contact Phil Jones on 9228 6442 if you wish to further discuss this matter.

Yours sincerely


22.11.06

Mike Young
Manager
Mining & Extractive Industries
As delegate to the Director-General

15/03 '06 15:39 FAX 0297628707

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Department of Planning

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15 MAR 2006

Mining & Extractive Industries
Major Development Assessment
Phone: (02) 9226 6481
Fax: (02) 9226 6486
Email: m2m.assess@dmir.nsw.gov.au
Level 4 Western Gallery
23-33 Bridge Street
GPO Box 36
SYDNEY NSW 2001

Mr John Gardiner
Regional Manager NSW and Victoria
Rocla Pty Limited
PO Box 36
GUILDFORD NSW 2161

Dear John

**Calga Sand Quarry (DA 94-4-2004)
Environmental Management Plans**

Thank you for forwarding the following deliverables, as required under the Calga Sand Quarry development consent (DA 94-4-2004), for the Department's consideration:

- Noise Monitoring Program (condition 7 of schedule 3);
- Air Quality Monitoring Program (condition 9 of schedule 3);
- Water Management Plan (condition 11 of schedule 3);
- Environmental Management Strategy (condition 1 of schedule 5); and
- Environmental Monitoring Program (condition 2 of schedule 5).

The Department has reviewed these deliverables, and the amendments made in response to the Department's initial reviews, and is now satisfied that they adequately address the requirements set out in the relevant conditions of the development consent. Consequently, I would like to advise you that the Director-General has approved the plans. Could you please forward a bound copy of the final reports for the Department's records.

Should you have any enquiries on this matter please contact Phil Jones on 9228 6442.

Yours sincerely

Michael J 13/3/06
Mike Young
Manager
Mining & Extractive Industries
as delegate for the Director-General

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set of documents
15/3/2006*

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