



SIMBA CEMENT
NATIONAL CEMENT COMPANY LIMITED

COMMENT/RESPONSE REPORT

STAKEHOLDER CONSULTATION REPORT

ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP)



GREENFIELD CLINKER MANUFACTURE, LIMESTONE MINING OPERATIONS& CEMENT GRINDING IN MERRUESHI, KAJIADO COUNTY, KENYA

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Expression of Appreciation

EMC Consultants would like to thank all stakeholders for their valued contributions to date. All the issues, questions and comments that were raised have informed the update the EMP. EMC Consultants would like to invite all stakeholders to please inform the Public Complaints Committee (PCC) on environment if the issues have not been interpreted correctly, or if they would like to comment on any of the responses.



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INTRODUCTION

This report represents the Comment and Response Report following Stakeholder Consultation for the proposed **Limestone Grinding and Construction of Greenfield Clinker Manufacture and Limestone Mining Operations** in Merrueshi, Kajiado County in Kenya. All the issues, comments and questions raised by stakeholders verbally at public meetings/open houses and individual and institutional focused targeted meetings during the public consultation have been captured and responded to individually in this report.

Objectives of Stakeholder Consultation

The principal objective of conducting the Stakeholder Consultation was to provide additional details to stakeholders on the project and its Environmental and Social Management Plan (ESMP) following the completion of the supplementary studies.

This report includes details of each consultation event including: date, time, place and format and agenda. The ESMP report was presented to the stakeholders through various means. Specifically, for the open house consultative meetings, a summary of the ESMP was provided via flip charts and description in verbal forms while for the individual interview, the ESMP report was sent to the targeted stakeholders in advance and prior to the meeting. The name of individuals attending and organizational affiliation has also been documented and is part of the report. The report is further organized by each consultation event followed by the summary matrix of discussions for each consultation.

Structure of the Comment and Response Report

The Comment and Response Report has been structured according to the different categories of issues/comments/questions raised, e.g., if issues raised by stakeholders related to concerns about job creation, it would have been categorized as “socio-economic impacts.” The issue/comment/question can be found in the section called “Socio-economic impacts” under the person’s name that raised the issue.



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**PART A. OPEN HOUSE MEETING CONSULTATION HELD AT
EMUKUTAN PRIMARY SCHOOL ADJACENT TO PROJECT SITE
ON FEBRUARY 12, 2014 FROM 11.00 AM-4.30PM**



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SECTION 1. WATER RESOURCES



1.0 WATER RESOURCES

Comments/Questions	Organization	Source	Response	Category
1.1 I am concerned about the negative impacts that the proposed project will have on the water resources.	Local Community Member	Open House Meeting Held on 12th February 2014 at 11.00AM at Emukutan Primary School (Project Site).	The EMP includes a monitoring plan for water resources management. Specifically in the context of groundwater, NCCL has committed to establishing mutually acceptable protocols for the independent monitoring of the water quality in existing water wells and surface water surrounding its activities. The EMP provides NCCL's commitments which include: NCCL is also keen to explore options for cooperating with communities in the establishment and implementation of monitoring programmes.	Water: Surface water resources
1.2 I am concerned about the water resources being contaminated due to the proposed project.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL has a systematic approach to Health, Safety and Environment management to proactively identify the risks associated with its business activities and reduce these risks through mitigating controls. The process of limestone mining does not entail use of chemicals, and the use of water for clinker production is also negligible. In the Workers Camp, septic tanks for managing wastewater hence	Water: Surface water resources



Comments/Questions	Organization	Source	Response	Category
			minimizing water pollution will be installed in each housing unit.	



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SECTION 2. COMPLIANCE WITH REGULATIONS AND STANDARDS

2.0 Compliance with Regulations and Standards

Comments/Questions	Organization/Name and Title	Source	Response	Category
2.1 How will NCCL police the contractors on the quarry sites to ensure their compliance?	African Conservation Centre: Jackson Mwato; Program Officer-ACC	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The EMP and EIA will be provided to contractors submitting tenders for construction and operation of any components and activities of the Project. This will provide the contractors with details on the environmental sensitivities. Contractors will be bound to comply under the terms of contracts. NCCL will provide any necessary training and awareness raising. NCCL will endeavor to employ only competent contractors to carry out our operations. Where staff or contractors do not meet the appropriate competence or awareness of standards and regulations that are required, NCCL will provide adequate and suitable training to meet the requirements.	Compliance with regulations and standards
2.2 Will NCCL monitor air and dust emissions from its activities including, NO _x , SO _x and ground-level ozone in the air? If so, how? If not, why not? What levels of these pollutants does NCCL consider acceptable?	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The EMP provide an assessment of air quality impacts, mitigation and monitoring plans including specific specialist studies on air emissions and quality. Furthermore, NCCL is committed to establishing a comprehensive and independent monitoring of conditions prior to any activity, during operation and after decommissioning.	Compliance with regulations and standards

Comments/Questions	Organization/Name and Title	Source	Response	Category
			In order to achieve this NCCL will consult with not only the regulator but also stakeholders Committee which will be have all data reported to them for dissemination to the community. NCCL is also keen to explore options for cooperating with communities in the establishment and implementation of monitoring programs.	
2.3 Who will be doing the measuring, modelling, baseline estimations and monitoring on the various environmental and health etc. factors? Is that NCCL, independent institutions or the government?	African Conservation Centre; Jackson Mwato; Program Officer-ACC	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Independent consultants will conduct baseline monitoring, modelling, etc. The parameters, methodology etc. for monitoring has been confirmed and is part of the EMP. NCCL will pay for these studies to be undertaken.	Compliance with regulations and standards
Will the area where the quarrying takes place typically be suitable for human habitation?	Amboseli Ecosystem Trust; Leiyen; Coordinator (AET)	Open house Meeting Held in Merrueshi on 14 th February 2014	The quarry sites will be decommissioned, and disturbed areas rehabilitated. After decommissioning and successful rehabilitation, the land use may return to the original use.	Compliance with regulations and standards
2.4 How will you guarantee effective rehabilitation?	Amboseli Ecosystem Trust; Leiyen; Coordinator (AET)	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	It is acknowledged that rehabilitation in the Area will be very difficult due to climatic and vegetation conditions and the low and erratic rainfall. A number of publications are available on rehabilitation of vegetation in the area; these publications and input from local conservation specialists will need to be applied in developing a successful rehabilitation plan.	Compliance with regulations and standards



Comments/Questions	Organization/Name and Title	Source	Response	Category
			Removing and maintaining vegetation from the site in a nursery for transplanting back on the site during decommissioning is an option that should be investigated. NCCL is intending to develop a rehabilitation plan for the site.	
2.5What guarantees are in place that rehabilitation efforts will be successful? Given the fact that it normally takes years for scarred landscapes to reestablish itself, NCCL must include a full rehabilitation programme that must be verified by an independent environmental consultancy.	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL remains liable for the site until such time as it can be demonstrated that the rehabilitation is self-sustaining. A detailed <u>rehabilitation programme</u> will be developed. Input from local conservation specialists will be applied in developing a successful rehabilitation plan.	Compliance with regulations and standards



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SECTION 3. CONFLICT WITH LOCAL AND REGIONAL DEVELOPMENT



3.0 Conflict with Local and Regional Development

Comments/Questions	Organization	Source	Response	Category
3.1 Does NCCL agree that the nature of the activities is such that they are mining activities, and that this will affect the current land use of the properties, requiring authorization in terms of the Land Use Planning Ordinance?	Amboveli Ecosystem Trust; Mr. Leiyen; Coordinator (AET)	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	An assessment as to the applicability of land use or planning legislation was undertaken and permits for Land Use change given by the government and the County Council.	Conflict with local and regional development



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SECTION 4. ENVIRONMENTAL ASSESSMENT AND MANAGEMENT

4.0 Environmental Assessment and Management & Health and Safety

Comments/Questions	Organization	Source	Response	Category
4.1 What safety measures will be put in place during the quarrying process?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The ESMP includes a recommendation for EHS during the mining and clinker manufacturer process.	Environmental assessment and management
4.2 What safety policy will NCCL put in place for this process?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The EMP sets out NCCL's Occupational Health and Safety Plan. Which would apply during the project activities. NCCL is intending to develop an Environmental Health and Safety and Management Systems for the project.	Environmental assessment and management
4.3 Will the impact of quarrying and clinker manufacture on air quality and dust dispersion be included in the EMP studies? What kind of materials is in the quarry dust? How will dust dispersion into the Amboseli and Chyulu National Park as a result of activities be mitigated in the process?	Amboseli Ecosystem Trust; Mr. Leiyan; Coordinator (AET)	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you. The quarrying will generate dust, which are not hazardous but may have an impact on the wildlife. NCCL has prepared an Air Quality study report and is part of the EMP and contains measures to reduce dust impacts, which will include frequent wetting of the quarry sites and use of conveyor belts to transport the limestone among others.	Environmental assessment and management
4.4 During the project, gravel roads should be graded and sprayed with water to suppress dust.	Amboseli Ecosystem Trust Mr. Leiyan, Coordinator (AET)	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you. Detailed ESIA and supporting studies have been carried and which address impacts related to dust and mitigation measures. The mitigation measures relating road dust have been described in the ESMP. Supplemental Air and dust emission as well as traffic management study has also been prepared and provides for mitigation measures for dust suppression during construction	Environmental assessment and management

Comments/Questions	Organization	Source	Response	Category
			and quarrying activities.	
4.5 Dust is a major concern to livestock farmers in the area because it reduces growth and reproduction in animals and reduces production rates and profits. Therefore gravel roads should be tarred in areas where heavy traffic is expected.	Imbirikani Group Ranch Secretary	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you. The project site is traversed by a tarmac road therefore dust generation will be insignificant. Within the plant site area (quarry site) NCCL will ensure that the tracks are paved and frequent watering will be undertaken to suppress dust.	Environmental assessment and management
4.6 The potential impacts of construction, such as noise and dust pollution, and local traffic increases must be thoroughly assessed in the specialist studies.	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you. NCCL has prepared specialized study report for traffic management, noise and air quality and is part of the EMP to address transport and dust related impacts on livestock.	Environmental assessment and management
4.7 Will NCCL investigate whether there is a risk of contamination of the air and water in the area?	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL has investigated and prepared reports to determine the impacts of the project on air and water and the EMP outlines the mitigation measures adopted for the same.	Environmental assessment and management
4.8 How will the visual character of the landscape be influenced due to quarrying activities, for example equipment used during the quarrying and blasting?	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The results of the technical assessment (specialist studies) and of the EMP report indicate that excessive vegetation removal, dust and night lighting during quarrying could result in visual impacts of moderate significance. Impact significance can; however, be mitigated to low, should the appropriate mitigation measures be implemented, such as, for example, dust suppression.	Environmental assessment and management
4.9 The potential impacts on the health and safety of the environment and communities must be assessed in the specialist studies.	African Conservation Centre; Jackson Mwato, Programme Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	An Environmental Impact Assessment and EMP has been prepared and evaluate the environmental significance of	Environmental assessment and management

Comments/Questions	Organization	Source	Response	Category
			the project and define mitigation measures to manage the impacts. The potential impacts of all phases and aspects of the project have been addressed in that assessment which includes various specialist studies.	
4.10 We know that cement-manufacturing companies emit dust and I can give the example of Athi River, where several cement manufacture companies are located and the air is polluted. How will any potential air pollution be avoided?	Representative of Imbirikani Group Ranch	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The NCCL has prepared a specific Air Quality Study report that has steps for minimizing air emission and the EMP contains the measures which include design related mitigation measures to reduce emissions	Environmental assessment and management
4.11 What type of air pollution can be expected during the process of clinker manufacture?	Representative of Imbirikani Group Ranch	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The project will lead to release of SO _x , NO _x , among others, all which are toxic to the environment. However, NCCL has prepared a specific Air Quality Study report that has steps for minimizing air emission and the EMP contains the measures which include design related mitigation measures to reduce emissions	Environmental assessment and management
4.12 What will the social, aesthetic and health impacts of the quarry mining and clinker manufacture be?	Representative of Imbirikani Group Ranch	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL has identified specific socio-economic, visual and human health impact assessments of the project. These impacts include potential rise in diseases (HIV/AIDS), conflict between foreign workers and local communities, cultural erosion, chest related complications, landscape scarring among others. NCCL has developed supplemental studies which address the impacts associated with social, health and aesthetics and will	Environmental assessment and management

Comments/Questions	Organization	Source	Response	Category
			prepare a Rehabilitation Plan for addressing impacts associated with aesthetics and related impacts.	
4.13 The potential visual impact of the proposed project is a concern.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for your comment. NCCL is intending to fence the quarry sites to reduce visual impacts and also will plant trees all around the plant boundary as mitigation measure. A quarry rehabilitation plan is also under development and will address concerns related to aesthetics and landscape scarring.	Environmental assessment and management
4.14 In the event of any major mishap during the mining activities, most of our hospitals will not have the capacity to take care of such an eventuality.	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for your comment. NCCL has a systematic approach to Health, Safety and Environment management to proactively identify the risks associated with its business activities and reduce these risks through mitigating controls. NCCL will construct a health facility within the site for dealing with health related incidence and will recruit a full time doctor and clinical officer.	Environmental assessment and management
4.15 What are the possible health impacts of this project on local communities and we would like a hospital to be built in the area to address the health related impacts	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The project may have impacts on workers during construction and mining and air emissions from the clinker may lead to health impacts. NCCL is planning to build a health facility in the project site, which will be used by workers and local community members. NCCL also has a Health and Safety Policy, which it is committed to implementing in order to minimize the health related impacts of the project.	Environmental Health

Comments/Questions	Organization	Source	Response	Category
4.16 In the event of any major mishap during the mining activities, most of our hospitals will not have the capacity to take care of such an eventuality.	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for your comment. NCCL has a systematic approach to Health, Safety and Environment management to proactively identify the risks associated with its business activities and reduce these risks through mitigating controls. NCCL will construct a health facility within the site for dealing with Health related cases.	1.2 In the event of any major mishap during the mining activities, most of our hospitals will not have the capacity to take care of such an eventuality.
4.17 What are the possible health impacts of this project on local communities and we would like a hospital to be built in the area to address the health related impacts	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The project may have impacts on workers during construction and mining and air emissions from the clinker may lead to health impacts. NCCL is planning to build a health facility in the project site, which will be used by workers and local community members. NCCL also has a Health and Safety Policy, which it is committed to implementing in order to minimize the health related impacts of the project.	Environmental Health
4.18 What would the impacts of potential air pollution be on human health?	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Air quality impacts associated with quarrying and clinker manufacture would include nominal dust generation during site establishment, potential for dust generation during transport, the release of emissions from generators running on site and from the clinker plant. Please read the Air Quality Emission report where a high-level overview of potential air quality impacts is provided and an air quality	What would the impacts of potential air pollution be on human health?



Comments/Questions	Organization	Source	Response	Category
			management plan is described, respectively.	
4.19 Will the area quarried typically be suitable for human habitation?	Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters	When quarrying is complete the drilling equipment is removed from site. The drill site will be re-vegetated. Before re-vegetation takes place soil testing will be necessary to make sure that there is no contamination on the site. Once this process has been completed the site will be safe for reintegration into the farming operation subject to limitations to ensure that livestock does not damage the vegetation being re-established. A quarry rehabilitation plan will be developed by NCCL to guide reclamation of quarries after completion of mining.	Will the area quarried typically be suitable for human habitation?



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SECTION 5. PROJECT DESCRIPTION

5.0 PROJECT DESCRIPTION

Comments/Questions	Organization	Source	Response	Category
5.1 How long will the quarry process last?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL has obtained a 60-year lease to mine limestone in the project area and therefore quarrying will occur throughout the period until the deposits are depleted.	Project Description
5.2 What is the size of the site footprint? Will there be more than one quarry site?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The entire site for limestone quarry is approximately 2,200 acres and there will be several quarry sites within this area for limestone extraction.	Project Description
5.3 What kind of infrastructure e.g. access roads will there be on and to a quarry site?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The EMP and EIA discuss the project in more details related to your questions. However, there will be no roads along the main Oloitoktok-Emali Highway, which will be constructed, instead the project will utilize this existing road which is a Class B. Inside of the quarry sites, there will be routes for trucks to collect the limestone, which will be paved.	Project Description



SECTION 6. NOISE & DUST



6.0 NOISE & DUST

Comments/Questions	Organization	Source	Response	Category
6.1 How will the noise due to quarrying impact on people that live within the area?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	It is anticipated that daytime noise levels will have very low or negligible impacts within a distance of approximately 80 m from the site. Impacts at night may, however, rise to moderate significance within 150 m from the site. (When using a worse case value of 82 dB(A) at a nominal distance of 1.5m from the acoustic centre of the source, i.e. from the centre of the site).	Noise and Dust



SECTION 7. SOCIO-ECONOMIC IMPACTS

7.0 SOCIO-ECONOMIC IMPACTS

Comments/Questions	Organization	Source	Response	Category
7.1 Identify all jobs required for operation, the portion for local people and what job fields, and wage proportion of total project cost	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL has stated very explicitly during consultation, and this is reflected consistently in the EMP document and technical report on Labour and Workers Accommodation, that employment opportunities during mining activities will be given to the local communities as a priority especially unskilled labour. Training of local communities will also be undertaken in order to ensure that in future, the local community members take up the skilled labour positions. A specialist study report on Labour and Workers Accommodation has been prepared. Please refer to EMP section on Labour and Workers Accommodation Resourcing and Employment for further details.	Socio-Economic Impact
7.2 The potential impact on the tourism industry in the area must be assessed.	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Impacts on tourism have been addressed in the detailed EIA and ESMP and the specialist study report on Terrestrial Ecology Assessment includes mitigation measures for ensuring wildlife management. A separate Wildlife Management Plan will be developed which will further address tourism related impacts.	Socio-Economic Impact

7.3 Does NCCL have any community benefit programmes planned for the residents near the sites? What are they?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look particularly into development of the region and provide NCCL suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted communities to address how they can receive direct benefits from the development. In the meantime, NCCL has already as part of its CSR began construction of additional classes for Emukutan Primary School, is implementing a school feeding program and has already constructed a water borehole for the local communities.	Socio-Economic Impact
7.4 How many jobs will be created by the project? Should	Member of the County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Where possible, employment opportunities will be offered to local communities before others are considered. Opportunities for skills development and training will be explored in order to maximize long-term benefits of employment. An estimated 1,000 jobs are	Socio-Economic Impact



			likely to be created directly by the project and will include local hire (unskilled and semi-skilled). There will be other in direct jobs and employment created during the life of the project	
7.5 Although the projects should result in economic benefits for the area, how will it be ensured that these benefits are shared amongst the affected communities?	District Officer, Merrueshi	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted communities and landowners to address how they can receive direct benefits from the development.	Socio-Economic Impact
7.6 There is concern about the lack of local job creation by the proposed project.	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look	Socio-Economic Impact

			particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted communities and landowners to address how they can receive direct benefits from the development.	
7.7 What are the benefits (short, medium and long term) for local employment? To what degree will local communities benefit?	Imbirikani Group Ranch Representative	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Due to the technical nature and regulated health and safety requirements for operations, opportunities for local employment will be limited to casual and unskilled positions. Where possible, employment opportunities will be offered to local communities before others are considered. Opportunities for skills development and training will be explored in order to maximise long-term benefits of employment.	Socio-Economic Impact
7.8 The potential impacts on eco-tourism are of concern.	Amboseli Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Impacts on tourism will be addressed in the detailed Wildlife Management Plan and have been in the meantime addressed through the Terrestrial Ecology Assessment Report.	Socio-Economic Impact
7.9 How is it possible to promote tourism of an area with clean air, clean water, a beautiful environment and unique fauna and flora, when a project of this nature is considered? It is unacceptable.	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Impacts on tourism will be addressed in the detailed Wildlife Management Plan and have been in the meantime addressed through the Terrestrial Ecology Assessment Report.	Socio-Economic Impact
7.10 What kind of social responsibility programs will you be implementing?	Local Community Member	Open House Meeting Held on 12th February, 2014 at	NCCL is committed to setting up an independent advisory	Socio-Economic Impact



		11.00AM at Emukutan Primary School (Project Site)	committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to and will work with impacted communities and landowners to address how they can receive direct benefits from development.	
7.11 am concerned about the possible social impacts of the region, including labour disputes, trespassing on land and properties, robberies and security related problems.	Imbirikani Group Ranch Representative	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Please refer to the EMP report as well as the social technical report Impacts on livelihoods and other socio-economic aspects have been addressed in the detailed EIA and ESMP including report on Workers Accommodation and Labour.	Socio-Economic Impact
7.12 Does NCCL have any community upliftment programmes planned for the residents near the various sites and what are they?	Amboseli Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This	Socio-Economic Impact

			committee will also look particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to and will work with impacted communities and landowners to address how they can receive direct benefits from development.	
7.13 The creation of “artificial/informal “ settlements is a concern and must be assessed in the social and land use specialist studies.	Ambolesi Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for this suggestion. Impacts on communities and other socio-economic aspects have been addressed in the detailed EIA.	Socio-Economic Impact
7.14 NCCL's project can help address poverty and other social problems experienced in local communities. Will this project bring education and build capacity in local communities?	County Representative For Education	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is already supporting the construction of additional classes at Emukutan Primary School and is also running a school-feeding program for the school. NCCL is also sponsoring over 200 students in the project area through bursaries targeting college, secondary and primary categories. NCCL is committed to initiating projects that will uplift the community socio-economically.	Socio-Economic Impact
7.15 There must be benefits from this project. For example NCCL can support entrepreneurs to set up businesses to service the project.	Business Representative	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thanks for your comment	Socio-Economic Impact
7.16 What kind of employment will be created by this project? Skilled or unskilled?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The project expects to create (directly) over 1,000 skilled and unskilled employment for the local community members. There will be other in-direct employment created by the	Socio-Economic Impact

			project too. A Workers and Accommodation Report has been prepared which highlights the type of jobs that will be created.	
7.17 How many people will be employed by the project?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	The project expects to create (directly) over 1,000 skilled and unskilled employment for the local community members. There will be other in-direct employment created by the project too. A Workers and Accommodation Report has been prepared which highlights the type of jobs that will be created.	Socio-Economic Impact
7.18 The project will be a good thing. It will stimulate the local economy; potentially provide job opportunities to an area with incredibly high unemployment. NCCL employees can also stimulate tourism in the town.	Women Representative From Local Community	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for your comment.	Socio-Economic Impact
7.19 Heavy vehicles will spread dust from dirt roads. The dust will discourage livestock from grazing. Will NCCL compensate farmers for the loss of grazing?	Member of Imbirikani Group Ranch	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL will directly negotiate a fair and reasonable compensation with landowners directly impacted by NCCL's operations.	Socio-Economic Impact
7.20 This project will contribute to empowerment of communities, skills transfer and will contribute employment to a region with the highest unemployment.	Women Representative From Local Community	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for this comment. Where possible, employment opportunities will be offered to local communities before others are considered. Opportunities for skills development and training will be explored in order to maximize long-term benefits of employment.	Socio-Economic Impact



SECTION 8. TERRESTRIAL ECOSYSTEMS

8.0 TERRESTRIAL ECOSYSTEMS

Comments/Questions	Organization	Source	Response	Category
8.1 How will noise due to quarrying impact on the wildlife?	Amboseli Ecosystem Trust (AET)	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Increased noise levels may affect a wide range of taxa (including avifauna, mammals, reptiles, amphibians and arthropods) due to the associated increase in vibration. Avifauna, especially songbirds, and amphibians may find it difficult to find mates in areas of increased noise. Most taxa will move away from areas with increased noise. In general, most species seem to tolerate constant, even very loud, sounds better than sudden, unfamiliar ones. The impact on terrestrial fauna is likely to be short-term and localized, but will definitely occur. Impact significance is therefore anticipated to be moderate. A Noise Quality Study report has been prepared but NCCL plans to develop a Wildlife Management Plan, which will address further wildlife related impacts that may have been overlooked.	Terrestrial Ecosystems
8.2 There is little mention made of the impact of this project on the environment in the presentation. The ecology of the region is very sensitive. How will the environment be protected in this process?	Amboseli Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Please refer to the EMP report, as well as the Terrestrial Ecology report attached.	Terrestrial Ecosystems
8.3 The Area is adjacent to Amboseli National Park and Chyulu National Park	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at	Please refer to the Terrestrial Ecology report of the EMP	Terrestrial Ecosystems

which has endangered species –Will vegetation analysis be part of the technical studies to be undertaken?		11.00AM at Emukutan Primary School (Project Site)	report. Sensitive areas, such as parks and protected areas, have been taken into account. However, NCCL is planning to prepare a Wildlife Management Plan for addressing wildlife related concerns within the Amboseli Ecosystem	
8.4 The whole eco-system of the Amboseli-Tsavo is sensitive and needs to be considered in the EMP.	Amboseli Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Please refer to EMP, as well as the ecology report. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.5 Has this process taken the environmental sensitivities of the eco-system	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.6 Potential impacts on land and landscape must be assessed in the specialist studies.	Representative of Imbirikani Group Ranch	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken	Terrestrial Ecosystems

			into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	
8.7 How will the identification and protection of endemic and endangered animal and plant species be guaranteed? How will the survival of communities that depend on these species be guaranteed?	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.8 I am mainly concerned about the impact of the project on the birdlife in the area. A bird study will be needed to this extent.	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.9 The activities that will be taking place will surely destroy the surface area and no amount of rehabilitation will return the	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as	Terrestrial Ecosystems

environment to its original state. I am very focused on conservation, which includes the plants and animals on my farm, and disturbances, no matter the degree thereof, is unacceptable.		School (Project Site)	distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	
8.10 The potential destruction of sensitive habitats is a major concern.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you for your comment. Please refer to the EMP as well as the ecology report. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, have been taken into consideration.	Terrestrial Ecosystems
8.11 How will natural habitat of both fauna and flora be protected during the quarrying activities?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.12 How will noise due to quarrying impact on the wildlife?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Increased noise levels may affect a wide range of taxa (including avifauna, mammals, reptiles, amphibians and arthropods) due to the associated increase in vibration. Avifauna, especially songbirds, and amphibians may find it difficult to find mates in areas of	Terrestrial Ecosystems

			increased noise. Most taxa will move away from areas with increased noise. In general, most species seem to tolerate constant, even very loud, sounds better than sudden, unfamiliar ones. The impact on terrestrial fauna is likely to be short-term and localised, but will definitely occur. Impact significance is therefore anticipated to be moderate. Please refer to the noise and ecology reports of the EMP.	
An identification of rare, endangered, and endemic animal and plant species and communities that may be affected at any stage of the process, must be undertaken as part of the specialist studies. In addition, NCCL should provide a guarantee for the protection of these identified species.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
8.13 What guarantees are in place that rehabilitation efforts will be successful? Given the fact that it normally takes up years to reestablish itself, NCCL must include a full rehabilitation programme that must be verified by an independent environmental consultancy.			NCCL remains liable for the site until such time as it can be demonstrated that the rehabilitation is self-sustaining. A detailed rehabilitation programme will be developed. Input from local conservation specialists will be applied in developing a successful rehabilitation plan.	



SECTION 9. TRANSPORT AND INFRASTRUCTURE IMPACTS



9.0 TRANSPORT AND INFRASTRUCTURE IMPACTS

Comments/Questions	Organization	Source	Response	Category
9.1 Once the project starts, NCCL should take responsibility for maintaining the roads and infrastructure it uses in the area.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	A Traffic Assessment Plan, which Evaluate issues pertaining to congestion, road condition and traffic, related noise has been prepared for this project.	Transport and Infrastructure
9.2 Who will maintain the roads NCCL made once the sites are closed?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL will maintain all the roads within the project site. The road (Emali-Oloitoktok) is to be maintained by the KeNHA	Transport and Infrastructure



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SECTION 10. SECURITY IN RURAL AREAS

10.0 SECURITY IN RURAL AREAS

Comments/Questions	Organization	Source	Response	Category
10.1 Local community members are concerned that increased access roads to the site will lead to uncontrolled access to the farms and therefore increase stock theft. It will be difficult to identify strangers from the operators. How will this be addressed in this process?	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Teams will work under a strict code of conduct. Quarry will have controlled access and all staff will carry personal identification.	Security in Rural Areas
10.2 Where will the workforce live during mining activities? What guarantees are there to secure the landowner from stock and equipment theft, damage to fences, farm attacks or any other negative impacts that could result due to the presence of "outside" workers' farmers' properties?	District Officer	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	There will be no permanent labour on-site which will be constructed by NCCL to accommodate all the foreign workers. NCCL has prepared a Workers and Accommodation Specialist Report to address issues of accommodation of workers.	Security in Rural Areas
10.3 NCCL's activities in the area will result in an influx of people and job seekers. This will potentially increase the incidence of stock theft. Landowners request that NCCL insure them against stock theft.	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	A detailed Workers Accommodation and Labour report has been prepared and includes an evaluation of safety and security risk.	Security in Rural Areas



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SECTION 11. PUBLIC CONSULTATION PROCESS AND ITS INTEGRITY

11.0 PUBLIC CONSULTATION PROCESS AND ITS INTEGRITY

Comments/Questions	Organization	Source	Response	Category
11.1 Please provide stakeholders with notification of meeting dates, well in advance.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Thank you. NCCL is preparing a Stakeholder Engagement Plan which will further highlight and provide details for commentators, and includes the schedule of and venues for public meetings.	Public consultation process and its integrity
11.2 How does NCCL propose consulting with and communicating its intentions with Local communities?	African Conservation Centre	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is preparing a Stakeholder Engagement Plan which will further highlight and provide details for commentators, and includes the schedule of and venues for public meetings.	Public consultation process and its integrity
11.3 A far more comprehensive process needs to be conducted to inform stakeholders of the implications of this proposed process.	Amboseli Ecosystem Trust	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	NCCL is preparing a Stakeholder Engagement Plan which will further highlight and provide details for commentators, and includes the schedule of and venues for public meetings.	Public consultation process and its integrity
11.4 Will stakeholders be able to view all comments and objections raised against the project before Be used to make a decision?	Member of County Assembly	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Yes: see this Comments-Response Report.	Public consultation process and its integrity
11.5 I would like to receive further documentation regarding this project, especially the comments raised by interested and affected parties, as well as the EIA/EMP reports.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	As a registered stakeholder you will be kept informed of the proposed project.	Public consultation process and its integrity
11.6 The complete EMP and EIA Report should be made available to the public for their information and comment.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Current EMP and supporting studies will be made available during for stakeholder review. Furthermore, a similar open and transparent consultation process with stakeholders will be run using the Stakeholder Consultation Plan, which NCCL is developing.	Public consultation process and its integrity
11.7 What does "engagement" with	Local Community Member	Open House Meeting Held on	NCCL is preparing a	Public consultation process and



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affected landowners and communities involve and when does it end?		12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Stakeholder Engagement Plan which will further highlight and provide details for commentators, and includes the schedule of and venues for public meetings.	its integrity
11.8 Stakeholders would like the assurance that all information and responses provided by NCCL and the EMP consultants are honest and transparent.	Local Community Member	Open House Meeting Held on 12th February, 2014 at 11.00AM at Emukutan Primary School (Project Site)	Your comment is noted.	Public consultation process and its integrity



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**PART B. INDIVIDUAL INTERVIEW AND CONSULTATION HELD
WITH NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY
(NEMA) ON FEBRUARY 18TH, 2014, AT NEMA COUNTY OFFICES
IN KAJIADO COUNTY, KAJIADO TOWN.**



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SECTION 12. COMPLIANCE WITH REGULATIONS AND STANDARDS

12.0 Compliance with Regulations and Standards

Comments/Questions	Organization	Source	Response	Category
12.1 What monitoring will be conducted (local and regional) to measure any potential impact on the environment in general and groundwater in particular?	National Environment Management Authority	Individual Interview Meeting held at NEMA, Kajiado County Office on 18th February 2014, at 2.00pm.	An EMP including a monitoring plan for water resources has been developed. Specifically in the context of groundwater, NCCL has committed to establishing mutually acceptable protocols for the independent monitoring of the water quality in existing water wells and surface water surrounding NCCL's activities.	Compliance with regulations and standards



SECTION 13. WASTE IMPACTS

13.0 WASTE IMPACTS

Comments/Questions	Organization	Source	Response	Category
13.1 There must be detailed plans for waste management.	National Environment Management Authority	Individual Interview Meeting held at NEMA, Kajiado County Office on 18th February 2014, at 2.00pm.	Local air quality will be well within the Kenyan and WHO limits and specified guidelines for the protection of human health at all relevant locations. On that basis, it is concluded that there will be no adverse health effects in the local population due to the operation of the plant. Please refer to the EMP for an indication of waste management. A detailed waste management plan has been developed.	Waste Impacts
13.2 How will waste and wastewater from the process be managed? The EMP Report should provide specific details on this, specifically the locations where waste and wastewater will be disposed of	National Environment Management Authority	Individual Interview with NEMA Kajiado County Office	A detailed integrated water and waste management plan has been developed to address waste related impacts from the workers camp. A septic tank treatment system will be a peak for peak demand during construction phase and therefore will cope with the demands Contractor/NCCL during operational phase. No hazardous liquids will be released into the septic tank treatment system.	Waste Impacts
13.3 Will NCCL establish what the nature of the waste is and what volumes will occur? - How will this be recovered? - How will this be disposed of? - What will the effect thereof be? - How will they be managed and regulated for?	National Environment Management Authority	Individual Interview with NEMA Kajiado County Office	A detailed integrated water and waste management plan has been developed to address waste related impacts from the workers camp. Use of new, efficient vehicles, driver training to minimize emissions (e.g. prevention of over revving, shut off engines when vehicles not in use), rationalization of traffic management system to optimize transport efficiency. Arrangement of all solid waste management licences and permits Establishment of waste management disposal/recycling techniques and appropriate choice of contractor Establishment of filter dust handling procedures and choice of the contractors Hazardous waste disposal techniques to be established Review of waste minimization and recycling options for all wastes	Waste Impacts
13.4 How will any excess, and potentially polluted water be	National Environment Management Authority	Individual Interview with NEMA Kajiado County	A detailed integrated water and waste management plan has been developed to address waste related impacts from the	Waste Impacts



managed?		Office	workers camp. For quarries: Secondary containment for potential polluting materials. Any contaminated land removal and disposal to appropriate hazardous waste sites.	
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**PART C. INDIVIDUAL INTERVIEW AND CONSULTATION HELD
WITH KENYA NATIONAL HIGHWAYS AUTHORITY (KeNHA) ON
FEBRUARY 20TH, 2014, AT KeNHA's HEADQUARTERS IN
NAIROBI AT 1000AM.**



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SECTION 14. TRANSPORT AND INFRASTRUCTURE IMPACTS

14.0 TRANSPORT AND INFRASTRUCTURE IMPACTS

Comments/Questions	Organization	Source	Response	Category
14.1 There is a general concern that mining and transporting activities and process will impact the environment (e.g. vehicles accessing farm land). How will this be addressed in this process?	Kenya National Highways Authority (KeNHA) Eng. Omondi Sewe	Individual Interview Meeting with KeNHA held on the 20 th February 2014 at KeNHA's Headquarters in Nairobi at 10.00 AM	Thank you very much for your comment. At this stage NCCL plans to utilize existing roads unless unavoidable. Should it be necessary to construct roads, a site-specific impact assessment will be undertaken. A traffic impact assessment, which evaluates issues pertaining to congestion, road condition and traffic, related noise has been prepared.	Transport and Infrastructure
14.2 Has NCCL conducted an enquiry into the volumes of vehicular traffic that will be associated with the activities? If so, could NCCL make those particulars available to stakeholders please and if not, does NCCL undertake to perform such an exercise for purposes of the EMP and related EIA.	Kenya National Highways Authority (KeNHA) Eng. Omondi Sewe	Individual Interview Meeting with KeNHA held on the 20 th February 2014 at KeNHA's Headquarters in Nairobi at 10.00 AM	A Traffic Assessment Plan, which evaluates issues pertaining to traffic volumes, congestion, road condition and traffic, related noise has been prepared for this project.	Transport and Infrastructure
14.3 Can NCCL estimate the anticipated increase in the volume of road traffic, particularly of heavy trucks and equipment, as a consequence of its activities?	Kenya National Highways Authority (KeNHA) Eng. Omondi Sewe	Individual Interview Meeting with KeNHA held on the 20 th February 2014 at KeNHA's Headquarters in Nairobi at 10.00 AM	A Traffic Assessment Plan, which evaluates issues pertaining to traffic volumes, congestion, road condition and traffic, related noise has been prepared for this project.	Transport and Infrastructure
14.4 Will the roads be fixed when NCCL is finished with the project?	Kenya National Highways Authority (KeNHA) Eng. Omondi Sewe	Individual Interview Meeting with KeNHA held on the 20 th February 2014 at KeNHA's Headquarters in Nairobi at 10.00 AM	As part of developing the Environmental Management Plan, on the ground data collection has taken place in order verifying existing national data sets. Some stakeholders also shared	Conflicts with Infrastructure



			their local knowledge on the quality of roads. Establishing a good understanding of the national (tarmac) roads was essential, including the tonnage (load) weight restrictions. A traffic impact assessment was conducted and is part of the ESMP	
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**PART D. INDIVIDUAL INTERVIEW AND CONSULTATION HELD
WITH KENYA WILDLIFE SERVICE ON FEBRUARY 21ST, 2014, AT
KWS HEADQUARTERS IN NAIROBI AT 10.00AM.**



SECTION 15. NOISE AND VISUAL IMPACTS

15.0 NOISE & VISUAL

Comments/Questions	Organization	Source	Response	Category
15.1 How will noise be managed or reduced in the event of quarrying, throughout the day and night?	Kenya Wildlife Service Bernard Kaaria-Head ESIA- Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	As part of the EIA, site-specific noise impact assessments were conducted. As part of these studies, sensitive receptors were identified and a site specific noise management plan developed, which include implementation of noise mitigation measures, such as systematic maintenance of all forms of equipment, training of personnel to adhere to operational procedures that reduce the occurrence and magnitude of individual noisy events, and where possible, placing of earthworks and material stockpiles so as to protect the boundaries of the site from noise. A noise-monitoring plan has been developed and will be implemented to verify compliance with relevant standards and criteria.	Noise
15.2 The potential visual impact of the proposed project is a concern	Kenya Wildlife Service (KWS) Bernard Kaaria-Head ESIA- Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	Thank you for this comment. The results of the technical assessment of the EMP report indicated that, potentially, the most significant impact on visual aspects will be the operational mining at quarry site. It is expected that the impact will have limited mitigation potential, due to the relatively low visual absorption capacity of the area (as a result of little vegetation cover, topographical landforms and existing human structures). For	Visual



Comments/Questions	Organization	Source	Response	Category
			this reason, where possible, care will be taken to position quarry sites in locations and in such ways that it will not constitute an excessive intrusion. Increased road traffic could also have marked aesthetic impacts at a local scale, while quarrying takes place but will be reversible.	
15.3 How much noise and light pollution will be permissible?	Kenya Wildlife Service (KWS) Bernard Kaaria-Head ESIA-Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	The acceptable values for according to the National Standard, is 45 dB (A) during daytime or 35 dB(A) at night. When using a worse case value of 82 dB (A) at a nominal distance of 1.5 m from the acoustic centre of the source, i.e. from the quarry site centre, it is expected that the limit noise level which can be accepted will occur at a dwelling which is ± 100 m (during daytime) or ± 2 km (at night) from the site. Furthermore, the process of quarrying involves fair numbers of traffic and freight to/from each quarry. The traffic could have marked aesthetic and noise impacts at a local scale, but these impacts will be of relatively insignificant. Regarding light and related impacts, the project will ensure that limited activities occur at night and where flood lights are used, the height considered,	Noise and light



Comments/Questions	Organization	Source	Response	Category
			intensity and direction away from the direction of the areas where wildlife pass.	



SECTION 16. TERRESTRIAL ECOSYSTEMS

16.0 TERRESTRIAL ECOSYSTEMS

Comments/Questions	Organization	Source	Response	Category
16.1 There must be detailed plan for land rehabilitation.	Kenya Wildlife Service Bernard Kaaria-Head ESIA- Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	It is acknowledged that rehabilitation will be difficult due to climatic and vegetation conditions and the low and erratic rainfall. NCCL is in the process of developing a Rehabilitation Plan and input from local conservation specialists will be applied during the development of the rehabilitation plan.	Terrestrial Ecosystems
16.2 Has NCCL considered that ecologically it takes at an area several years to be rehabilitated?	Kenya Wildlife Service Bernard Kaaria-Head ESIA- Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	It is acknowledged that rehabilitation is difficult due to climatic and vegetation conditions and the low and erratic rainfall. Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	Terrestrial Ecosystems
16.3 The project could be detrimental to delicate Amboseli Ecosystem.	Kenya Wildlife Service Bernard Kaaria-Head ESIA- Kenya Wildlife Service	Individual Interview Meeting at KWS Headquarters on the 21 st February 2014 at 10.00AM	Sensitivity maps are included in the ecology report of the EMP. Sensitive areas, such as distribution areas/habitat types for Red Data / protected species, etc. have been taken	Terrestrial Ecosystems



			into consideration during the site selection process. Please refer to A Wildlife Management Plan will be developed by NCCL and input from local conservation specialists will be applied during, and in developing a successful rehabilitation plan.	
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PART E. OPEN HOUSE CONSULTATIONS HELD AT MERRUESHI TRADING CENTRE ON MARCH 14TH, 2014 AT 2.00PM.



SECTION 17. SOCIO-ECONOMIC IMPACT

Comments/Questions	Organization	Source	Response	Category
17.1 We would like to see that 60% of the jobs are offered to all the locals in the areas	Member of Parliament (Hon. PerisTobiko)	Open House Meeting Held on 14th, March 2014 at 2.00PM at Merrueshi Trading Centre	NCCL has stated very explicitly during consultation, and this is reflected consistently in the EMP document and technical report on Labour and Workers Accommodation, that employment opportunities during mining activities will be given to the local communities as a priority especially unskilled labour. Training of local communities will also be undertaken in order to ensure that in future, the local community members take up the skilled labour positions. A specialist study report on Labour and Workers Accommodation has been prepared. Please refer to EMP section on Labour and Workers Accommodation Resourcing and Employment for further details.	Socio-Economic Impact
17.2 We would like to see that the Community Liasion Officers (CLOs) are recruited from the 2 communities of Imbirikani and Merrueshi?	Local Member of Parliament (Hon. PerisTobiko)	Open House Meeting Held on 14th, March 2014 at 2.00PM at Merrueshi Trading Centre	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look	Socio-Economic Impact



			particularly into development of the region and provide NCCL suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted communities to address how they can receive direct benefits from the development. In the meantime, NCCL has already as part of its CSR began construction of additional classes for Emukutan Primary School, is implementing a school feeding program and has already constructed a water borehole for the local communities.	
17.3 Although the projects should result in economic benefits for the area, how will it be ensured that these benefits are shared amongst the affected communities?	Member of County Assembly	Open House Meeting Held on 14th, March 2014 at 2.00PM at Merrueshi Trading Centre	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted	Socio-Economic Impact



			communities and landowners to address how they can receive direct benefits from the development.	
17.4 There is concern about the lack of local job creation by the proposed project.	Member of County Assembly	Open House Meeting Held on 14th, March 2014 at 2.00PM at Merrueshi Trading Centre	NCCL is committed to setting up an independent advisory committee for this project to provide expert steers and advice on environmental and social impacts to ensure we reduce and mitigate impacts as far as possible, take into account people's concerns and reflect them in the project design/execution. This committee will also look particularly into development of the region and provide Shell suggestions for contributing to economic and social growth over and above its commitments to social investment, local content of suppliers, contractors and job creation. Utilizing best practices, NCCL has committed to will work with impacted communities and landowners to address how they can receive direct benefits from the development.	Socio-Economic Impact
17.5 This project will contribute to empowerment of communities, skills transfer and will contribute employment to a region with the highest unemployment.	Village Elder, Merrueshi	Open House Meeting Held on 14th, March 2014 at 2.00PM at Merrueshi Trading Centre	Thank you for this comment. Where possible, employment opportunities will be offered to local communities before others are considered. Opportunities for skills development and training will be explored in order to maximize long-term benefits of employment.	Socio-Economic Impact



List of Persons and Institutions Consulted

Institutional Representatives

Jackson Mwato-Programme Officer (African Conservation Centre)

Samuel Mayon-Chief Merrueshi Location

James Mpaa-Principal Emukutan Primary School

Joshua Kasaine-Chairman Emukutan Primary School

District Officer-

Lydia Achieng-EMC Consultants-Social Specialist

Tito Kodiaga-Corporate EHS Manager, National Cement Company Limited

Chandresh-National Cement Company limited

Srinivas-National Cement Company Limited

Salim Binale-National Cement Company Limited

BernardKaaria-Head ESIA-Kenya Wildlife Service

Eng. OmondiSewe-Kenya National Highways Authority

BarazaBenard-National Environment Management Authority

Leiyen-Amboseli Ecosystem Trust

Project Affected Persons (Local Community Members)

MeluboManina

NorkimunyaMoreto

Koko Nasianto

Marias Manina

ParantaiKarioki

Mama PartimoNkina

NoseuriManina

NoretelOlogela

Koko Nina Parsanga

Ntisha

NosikitokNkuito

KitaluniNkaitole

NookisaruniNkaitole

NoosekeiOlogela

PusengareKotoi

KumoloshoSenjuka

NootubulaMiroi

MerinMilia

MingatiBackson

LokitengKeteko

NapunyaLekato

SetoonSolonka

NoolepetaKasaine



NooparuokoKetende

NalotoeshaLikampa

NookeriaiLokiteng

NayiloangMayian

SeitaMeijo

Nookisaruni Kanga

OloitatoniManina

SukutaSanningo

SikoiNtalamia

NookishoKuntai

NookiseyiaKipaa

MokoOlogela

MoonkipaManina

MooshiManina

LeyiahLemiti

NootubulaKilokon

NaalatimiSaitoti

Nagelisho Marias

SempeyoKilelo

KilokenManina

NookidotoMolubo

NarikungeraMingati

NoolomaiPararitai

Joyce Kilowua

NaibangutiLeposo

NookishoMatindi

IsayaBackson

Joshua Nkarunga

Lesalao

NoanKitisia

LesingoNkuito

NoenkutaLenku

LekatoKamaami

TeeteNkarunga

David Backson

PanianManina

TunayoLoomu

NaalamalaManina

ParteriKakuyia

LenkaiKakuyia



NkutukieMelubo

NaireserManina

KishilBackson

MusonManina

SaningoKasaine

NaramatishoMayiani

Mbatian

ParmuyaKosoi

KisinyinyeMoko

MasarieOlogela

Musa Olegela

Nookishakilsaya

MekuretuOlogela

NookakwaTiapashina

Maantei Joseph

OlosikareManina

NoonkutaTipape

TipapeBackson

KasomoBaikson

KorosaSentue

LekimankusiMeijo

KoyanSaitabau

KilowuaTurere

MemitikuleMasarie

OlomayianiBackson

SaimonOlipanto

SeyianKotoke

NadaalaKapaito

Annex: Photographs



Figure 1 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 3 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 4 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 5 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 6 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 7 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 8 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 9 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 10 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 11 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 12 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 13 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 14 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 15 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 16 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 17 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 18 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 19 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 20 - Open house consultation at Emukutan Primary School on 12th Feb, 2014



Figure 21 - Open house consultation at Merrueshi trading center on 14th March, 2014



Figure 22 - Open house consultation at Merrueshi trading center on 14th March, 2014



Figure 23 - Open house consultation at Merrueshi trading center on 14th March, 2014



Figure 24 - Open house consultation at Merrueshi trading center on 14th March, 2014



Figure 25 - Open house consultation at Merrueshi trading center on 14th March, 2014