

**NATIONAL ENVIRONMENT AND PLANNING AGENCY  
Enforcement Branch Post Planning/Permit/License Monitoring**

**Inspection Date:** March 10, 2016

**Report in Series:** 3 of 2016

**Time of Inspection:** 11:00 am

**Permitted Activity:** Construction of New Highway

**Location of Activity:** Moneague to Mammee Bay, St. Ann

**Applicant:** Jamaica North South Highway Company Limited

**Reference No.:** 2012-06017-EP00109

**Amended:** 1 July 2013

**Issue Date:** 14 August 2013

**Name, Email & Telephone #:** *(redacted subject to Sec 22 of the ATI Act)*

**Investigator Officer:** Enforcement Officer, NEPA

**Present were:** China Harbor Engineering HSE, CHEC Environmental Engineer

**Description of Permitted Activity:** This permit is for Section 3 of the North-South Leg of Highway 2000, which is to be a 4 lane controlled access, tolled motorway with a design speed of 80 kph and maximum gradient of 8%. The highway will be approximately 16 km and begin at the existing Moneague round-a-bout – which is likely to be converted to an interchange with the A1 road – and end with a round-a-bout at Mammee Bay, where the road meets the North Coast Highway. The toll plaza will be located between km 54 and km 55 in the vicinity of the abandoned Reynolds Bauxite Mines site and an interchange will be constructed at km 55+200 to provide access to the Claremont to St. Ann’s Bay main road. The road will have 17 crossings (overpasses and underpasses) and is scheduled to be completed within 36 months of commencement. To facilitate the construction works, a site yard/ office is constructed, at Golden Grove.

**Compliance Table:**

No	General Condition	Level of compliance	Comments/Action
9	A copy of this Permit shall at all times be placed in a prominent place at the location of operation (or business as the case may be) and shall be in such characters and in such position as to be conveniently read by the persons having functions and duties which are or may be affected by the matters set forth in this authorization.	Full	Permit is in office at Golden Grove.

No	Specific Condition	Level of Compliance	Comments/Action
1.	<p>The Permittee shall comply with all the representations made in the Permit Application and the Project Information Form both dated 4 June 2012 received and date stamped by the Natural Resources Conservation Authority 8 June 2012, documents titled, "NATIONAL ROAD OPERATING AND CONSTRUCTING COMPANY COMMENTS FROM THE NATIONAL ENVIRONMENT PLANNING AGENCY REGARDING THE MONEAGUE TO OCHO RIOS HIGHWAY DEVELOPMENT PROJECT" dated 15 February 2013 received and date stamped by the Authority 15 February 2013, "ENVIRONMENTAL IMPACT ASSESSMENT Proposed Highway 2000 North South Link - Moneague to Ocho Rios" dated 21 March 2013 prepared by CL ENVIRONMENTAL CO. LTD. received and date stamped by the Authority 8 April 2013 and "ARCHAEOLOGIC IMPACT ASSESSMENT Highway 2000 North - South Link Development Project Moneague - Mammee Bay, St. Ann" prepared by JAMAICA NATIONAL HERITAGE TRUST Archaeology Division Field Unit received and date stamped by the Authority 7 March 2013 and Map titled, "Highway 2000, Phase 2A Revised CHEC Section 3 Alignment" dated 8 May 2012 received and date stamped by the Authority 8 June 2012 and all accompanying addenda.</p>	Full	The permittee is compliant with the proposals made.
2.	<p>The Permittee shall ensure that all correspondence, notifications, plans, reports or any other documents being submitted to the Agency and/or Authority pursuant to any General and/or Specific Condition of the Permit are addressed to "Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5" or emailed to <a href="mailto:EnforcementManager@nepa.gov.jm">EnforcementManager@nepa.gov.jm</a>.</p>	Full	Correspondence and reports are received.
3.	<p>The Permittee shall execute a Deed of Indemnity, indemnifying the Authority and the Government of Jamaica against all actions, proceedings, claims, losses, damages, injuries, demands, costs and expenses, which may become payable by the Authority or the Government of Jamaica as a result of any work carried out in pursuance of this Permit.</p>	Full	This was signed when the permit was issued.
4.	<p>The Permittee shall implement the mitigation measures as proposed in Section 9 of the document titled "ENVIRONMENTAL IMPACT ASSESSMENT</p>	Partial	Slope stability, erosion prevention and sediment migration and control works are on-going. <i>(see photo 5)</i>

	Proposed Highway 2000 North South Link - Moneague to Ocho Rios” dated 21 March 2013 prepared by CL ENVIRONMENTAL CO. LTD. received and date stamped by the Authority 8 April 2013.		6)
5.	The Permittee and/or its agents shall, at least 4 weeks prior to the commencement of the Works, submit a schedule of the works to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email to <a href="mailto:EnforcementManager@nepa.gov.jm">EnforcementManager@nepa.gov.jm</a> .	Partial	A schedule of works was submitted on September 24, 2013. It cannot be ascertained if this was done 4 weeks prior to the commencement of works as the commencement date is unknown at this time.
6.	The Permittee and/or its agents shall submit for the approval of the Agency/Authority, a detailed Environmental Monitoring and Mitigation Plan <b>within sixty (60) days of the date of issue herein or at least thirty (30) days prior to the commencement of any Works, whichever is first.</b> This Plan shall include, but shall not be limited to: <ul style="list-style-type: none"> <li>▪ Person(s) responsible for environmental management and their qualifications</li> <li>▪ Details for the monitoring of water quality (to include but not be limited to TSS, TDS, oil and grease), air quality (fugitive dust/particulate matter) and noise</li> <li>▪ Measures to be employed to control runoff and water turbidity, sedimentation or debris flow into existing waterways; water pollution; noise pollution; fugitive dust and air pollution, preservation of archaeological features; including but not limited to operational and engineering control measures</li> <li>▪ Contingency measures to be employed for cleaning up any accidental spills – fuel, oil or hazardous material - that may occur</li> <li>▪ Sample format for monitoring reports.</li> </ul>	Full	This document was submitted on July 23, 2013
7.	The Permittee and/or its agents shall submit to the Agency/Authority for approval, Environmental Statements for any work, which falls outside of the current road reservation prior to carrying out any such activity.	Full	There was realignment into UDC lands. A notice was previously served for this (#8358). There are some artifacts in the area and JNHT has given the approval for a manual clearance.

8.	<p>The Permittee and/or its agents shall submit, for approval, a Flora and Fauna Management Plan to the Authority/Agency <b>within sixty (60) days of the date of issue herein or at least thirty (30) days prior to the commencement of any Works, whichever is first.</b> The Plan shall include but not be limited to:</p> <ul style="list-style-type: none"> <li>▪ List of endemic, protected or threatened species</li> <li>▪ Measures to be employed to protect identified endemic, protected or threatened species</li> <li>▪ Mapping of bird feeding trees and trees with trunks greater than 18cm in diameter and the measures to be employed to compensate for the loss of any such tree to be impacted by the construction activities</li> <li>▪ Measures to be employed to allow for the detection and protection of bats</li> </ul>	Full	This document was submitted on July 23, 2013.
9.	<p>The Permittee shall conduct an assessment of the proposed highway route alignment to determine whether bats utilize the area. The methodology to be used to conduct the assessment shall be forwarded to the Agency for approval <b>within sixty (60) days of the date of issue herein or at least thirty (30) days prior to the commencement of any Works, whichever is first.</b></p>	Full	This document was submitted on July 23, 2013.
10.	<p>The Permittee shall conduct an assessment along the highway alignment of all sinkholes/crevices/caves to confirm if any bats are present. The methodology to be used to conduct the assessment shall be forwarded to the Agency for approval <b>within sixty (60) days of the date of issue herein or at least thirty (30) days prior to the commencement of any Works, whichever is first.</b></p>	Full	This document was submitted on July 23, 2013.

11.	<p>The Permittee and/or its agents shall submit, for approval, a Habitat Compensation and Re-vegetation Plan to the Agency within 3 months of the date of issue herein. The Plan shall include but not be limited to:</p> <ul style="list-style-type: none"> <li>▪ Details for the planting of trees to compensate for the loss caused by the Works</li> <li>▪ Details for the re-vegetation of areas along the highway, including cut slopes, benches, bridge approaches, interchanges, camp sites, sites of batching plants, etc.</li> <li>▪ Measures to be employed to compensate for the loss of habitat for any sensitive or commercially viable species (eg. bats, bees, orchids, etc.) impacted by the Works</li> </ul>	Full	This document was submitted on November 29, 2013
12.	<p>The Permittee and/or its agents shall submit, for approval, a Site Rehabilitation Plan to the Authority/Agency within 3 months of the date of issue herein. The Plan shall outline the mechanisms to be implemented to restore the location of the construction work site to predevelopment conditions. In addition, the plan shall outline measures to be taken to restore areas that may have been contaminated by substances such as oil</p>	NC	<p>This document was not submitted within the stipulated timeline According to representatives from CHEC at meeting held at the campsite will remain in use. The Agency will follow up with an advisory letter advising them to formally submit information pertaining to the future use of this site..</p>
13.	<p>The Permittee and/or its agents shall develop an Emergency Response Plan (ERP) for the construction and operation phases with the approval of the Office of Disaster Preparedness and Emergency Management (ODPEM) and Fire Department. The Emergency Response Plan shall be submitted to NEPA within 3 months of the date of issue of this Permit.</p>	Full	This document was submitted July 23, 2013
14.	<p>The Permittee and/or its agents shall develop a Waste Management Plan which must be submitted for the approval of the Agency/Authority <b>within sixty (60) days of the date of issue herein or at least thirty (30) days prior to the commencement of any Works, whichever is first.</b> The Plan shall include but not be limited to:</p> <ul style="list-style-type: none"> <li>▪ The designation of appropriate waste storage areas</li> <li>▪ Waste collection and removal schedules</li> <li>▪ System for the supervision and monitoring of the various types of waste</li> </ul>	Full	This document was submitted July 23, 2013

15.	The Permittee and/or its agents shall prior to the commencement of any land clearance, submit to the Agency/Authority for approval, a detailed Flood Control and Drainage Management Plan for the entire alignment, with special emphasis placed on the impacts and proposed measures to mitigate the impacts on the communities of Moneague, Golden Groove and Steer Town.	Full	This document was submitted on February 6, 2014
16.	<p>The Permittee and/or its agents shall submit for the approval of the Agency/Authority and the Mines and Geology Division a Geotechnical Report for the approved alignment, within 3 months of the date of issue herein and prior to the commencement of any land clearance at km63+500 to km65+000. This report shall include, but is not limited to the following:</p> <ul style="list-style-type: none"> <li>▪ Geotechnical models and analysis</li> <li>▪ Geophysical (seismic) surveys</li> <li>▪ Peak ground acceleration and site spectral response to be used in slope stability analysis</li> <li>▪ Qualitative and quantitative assessments of rock/soils</li> <li>▪ Proposed solution to treat with any geotechnical issues identified</li> </ul>	Full	This document was submitted on December 10, 2012.

ACCESS GRANTED

17.	<p>The Permittee and/or its agents shall submit for the approval of the Agency/Authority within 3 months of the date of issue herein a detailed Water Resource Risk Management Plan for the entire road alignment to be approved by the Agency, WRA and NWC prior to any construction. This plan must include, but is not limited to the following:</p> <ul style="list-style-type: none"> <li>▪ Water quality monitoring and stormwater quality control, with special attention be given to areas with sinkholes, wells and the low points along the alignment</li> <li>▪ Sediment control plan</li> <li>▪ Location of engineering solutions (structural and non-structural) to treat highway runoff during construction and operation</li> <li>▪ An assessment of the sinkholes and wells to be affected by the proposed alignment of the highway. This assessment shall include but not be limited to a capacity, flora and fauna assessment of the sinkholes</li> <li>▪ Plan for preserving the wells that fall within the corridor of the approved road alignment</li> </ul> <p>The following must be considered in the developing of the Water Resources Management Plan:</p> <ul style="list-style-type: none"> <li>• Aquifer water quality must be protected from high turbidity rainfall runoff/inflows, spills of hazardous materials and discharges from the works</li> </ul>	Full	This document was submitted November 20, 2013
18.	<p>The Permittee and/or its agents shall, within 3 months of the date of issue herein, submit for the approval of the Water Resources Authority and the Agency, a detailed Operation and Maintenance Manual for the protection, maintenance and cleaning of the engineering solutions for water quality control to sinkholes and wells. The Manual must include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>▪ Specific pollutants being treated for</li> <li>▪ Proposed standards for the pollutant discharge to the sinkholes and wells</li> <li>▪ Proposed frequency for monitoring of ambient water quality</li> <li>• Proposed method and frequency for monitoring of runoff to be discharged to the sinkholes and wells</li> </ul>	NC	This plan was not submitted and a warning letter was issued for this breach. A walk through was done with WRA to identify such sinkholes. No wells in the alignment will be affected. Some drawings by CHEC was submitted to NROCC for approval but were refused and a new set of drawings are to be submitted. To date the manual has not been submitted.

19.	The Permittee and/or its agents shall, within 3 months of the date of issue herein, submit a copy of the contract for the protection; maintenance and cleaning of the engineering solutions for water quality control.	NC	This is yet to be submitted as it is subject to the submission of the Operation and Maintenance Manual.
20.	The Permittee is expressly forbidden from blocking or negatively impacting any wells within the alignment.	FULL	No well was encountered within the road way footprint as indicated by CHECH/JNSHC. This was verified by the WRA This was verified Water Resource Authority.
21.	Noise level shall not exceed 75dBA at the boundary of the road reservation at any given time, save and except where otherwise specified by the Agency/Authority.	Full	Noise levels on the construction site at the time of visit were within the approved limits. .
22.	Where the road passes through a residential area, noise level shall not exceed 55dBA or ambient conditions, whichever is higher, at the boundary of the road reservation at any given time.	Full	<b>Noise levels on the</b> construction site at the time of visit.
23.	Noise level shall not exceed 45dBA or ambient conditions, whichever is higher, at the northern boundary to the Steer Town Primary and Junior High School at any given time.	Full	<b>Noise levels on the</b> construction site at the time of visit
24.	The Permittee shall ensure that any storm water generated during the construction and operation of the highway, complies with the NRCA Jamaica National Trade Effluent Standards, 1995.	N/A	This condition is not applicable as there is no storm water generated.
25.	The Permittee shall comply with the Natural Resources Conservation Authority Ambient Air Quality Regulations, 2006.	Full	No air quality test has been conducted however the last Environmental Monitoring Report submitted by the permittee shows that ambient air quality was within the standards.
26.	The Permittee shall comply with the Ambient Air Quality Standards Regulations for Jamaica - August 1996.	Full	The last Environmental Monitoring Report submitted by the permittee shows that ambient air quality was within the standards
27.	The Permittee shall undertake and submit monthly monitoring reports to the Manager, Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by emial to <a href="mailto:EnforcementManager@nepa.gov.jm">EnforcementManager@nepa.gov.jm</a> with copies to the	Full	Monitoring reports are being submitted.



	<p>Water Resources Authority, The Mines and Geology Division, The National Works Agency, and the Environmental Health Unit of the Ministry of Health during the construction and operation phases of the development. This information shall include, but shall not be limited to:</p> <ul style="list-style-type: none"> <li>▪ The date, exact place (GPS coordinates) and time of sampling or measurement for water and air quality</li> <li>▪ The person(s) and/or organisation responsible for performing the sampling or measurement.</li> <li>▪ The date(s) analyses were performed</li> <li>▪ Analytical techniques or methods used</li> <li>▪ The results of water and air quality analysis</li> <li>▪ Details of any environmental incidents, including spills or damage to sensitive flora or fauna and corrective actions taken</li> <li>▪ Details of assessments of the implemented mitigation measures implemented as per the approved Environmental Monitoring and Mitigation Plan</li> <li>▪ Details of any artifact, archeological, cultural, economic or ecological feature, unique specimen or significant deposits of fossils found during construction; actions taken and outcomes</li> </ul> <p>Details of the emptying of chemical toilets, to include evidence to support the collection and disposal at an approved sewage treatment facility.</p>		
28.	<p>The Permittee shall commence monitoring of noise, ambient air quality and stormwater runoff as follows:</p> <ul style="list-style-type: none"> <li>▪ Immediately</li> <li>▪ Monthly at all active areas of construction and areas impacted by the construction of the highway (during construction)</li> <li>▪ Monthly at all major drainage features (during operation)</li> <li>▪ Within 24 hours of any significant event</li> </ul>	Full	Monitoring report shows noise and air quality test being done. No air quality test was conducted by the Agency

29.	The Permittee and/or its agents shall in the event of any breach of the Standards referenced in Specific Conditions 21 – 26 above; as verified by the monitoring results submitted to National Environment and Planning Agency, submit a Compliance Plan to ensure that the activity is brought into compliance with the standards.	N/A	This condition is not applicable based on the fact that the tests carried out and included in the monitoring report did not show any breach.
30.	The Permittee and/or its agents shall notify the Authority of the need for any work, which falls outside of the current road reservation and shall seek permission for same prior to carrying out any such activity.	NC	Previously, no notification was received. However further to letter from UDC and meeting held re the same permittee is now back within the correct road alignment. This condition is related to specific condition #38 for which a warning notice was issued
31.	Works during the construction phase shall only be conducted between the hours of 7a.m. to 7p.m. on Mondays to Saturdays, save and except with written permission from the Authority/Agency.	NA	This condition was not applicable at the time as the inspection was carried out during the stipulated work hours. However this condition was breached in the past and a warning letter issued. The permittee complied there after
32.	Works during the construction phase may be conducted 24 hours daily on Mondays to Saturdays at the following locations as per map titled, “Highway 2000, Phase 2A Revised CHEC Section 3 Alignment” dated 8 May 2012 received and date stamped by the Authority 8 June 2012: <ul style="list-style-type: none"> <li>▪ km 48+500 to km 51+500</li> <li>▪ km 55+000 to km 59+500</li> <li>▪ km 61+800 to km 63+600</li> </ul>	N/A	This condition is no longer applicable as no 24 hour works were carried out at this section. Additionally the works have passed the construction phase of the development.
33.	The Permittee shall notify and obtain the written approval of the Agency/Authority prior to any Works during the construction phase on Sundays and public holidays.	NC	No notification was received. A warning letter issued on the 19 <sup>th</sup> of August, 2015 was previously sent to address this breach.
34.	The Permittee and/or its agents shall develop and implement a comprehensive plan to control the generation of fugitive dust to include periodic wetting of friable materials and the phased clearing of areas to ensure there is no fugitive dust emission to create a nuisance during the	N/A	This condition is not applicable. All the areas are now paved and there is no more generation of fugitive dust as the major construction works are now

	construction phase.		completed.
35.	The Permittee and/or its agents shall ensure that trucks transporting particulate material during the construction phase are <b>adequately covered</b> to prevent the entrainment of particulates in the ambient air.	N/A	This condition could not be assessed as no trucks were seen transporting any materials outside of the alignment.
36.	The Permittee and/or its agents shall within 24 hours notify the Agency/Authority and the Jamaica National Heritage Trust of any artifact, archeological, cultural, economic or ecological feature, unique specimen or significant deposits of fossils found during construction of the highway, so that the necessary arrangements can be made to secure same and the Permittee or its agents shall stop the construction activities until authorized to recommence works by the Agency..	Full	Jamaica National Heritage is aware of the artifacts found in Old Forth Bay and a barb wire fence has been placed around the water wheel based on the recommendation of the JNHT.
37.	The Permittee and/or its agents shall ensure that the Works do not impact on the Phoenix Park Great House and the sugar works ruins and aqueduct on the Mammee Bay property, save and except with the prior written approval of the Agency/Authority and the Jamaica National Heritage Trust.	Full	Phoenix Great House was visited and no impacts were observed. The Aqueduct in Mammee Bay is still intact.
38.	The Permittee and/or its agents shall not remove or caused to be removed/damaged any vegetation not located within the approved road alignment.	NC	There was removal of vegetation outside of the alignment. A warning notice was issued on a visit conducted on January 16 2015. (#8358) It should be noted that this breach cannot be rectified.
39.	The Permittee and/or its agents shall ensure that there is no blockage of any sinkhole as a result of the Works.	Full	Based on the discussion with CHEC's Environmental Engineer and observation all the sinkholes have been avoided. Confirmation will be sought from WRA
40.	The Permittee and/or its agents shall ensure that the solid waste generated, inclusive of demolished material, and during the construction phase of the development is disposed of at a municipal dumpsite with the approval of the National Solid Waste Management Authority. A copy of the approval from the National Solid Waste	Full	NSWMA contracted to collect solid waste at dumpsite. Receipts have been provided on previous visits.

	Management Authority shall be submitted to the Manager of the Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email to <a href="mailto:EnforcementManager@nepa.gov.jm">EnforcementManager@nepa.gov.jm</a> prior to the commencement of the development.		
41.	The Permittee and/or its agents shall ensure that all stockpiles of earth materials used for construction are located within temporarily constructed enclosures to limit fugitive dust	FULL	Temporary stockpiles inspected in the past were in compliance However no stockpiles were observed during the inspection
42.	The Permittee and/or its agents shall ensure that all stockpiles of earth material are contained within a berm to prevent this material being transported in terrestrial runoff during rainfall events.	N/A	This condition is not applicable as no stockpiles were observed during the inspection
43.	There shall be no discharge of oil, oily waste, trade or sewage effluent, chemicals, solid waste, poisonous, noxious or polluting substances, on or into the ground without a License from the Natural Resources Conservation Authority.	N/A	This condition is not applicable as no such discharge was observed during this visit. These contaminants are not onsite in quantities that will require a license
44.	The Permittee shall ensure that adequate numbers of portable, mobile chemical toilets are provided and suitably located to satisfy the needs of workers during construction activities.	Full	The permittee was non-compliant on a visit conducted on January 16, 2015 and a warning notice was issued. (#8357) The breach has now been rectified.
45.	The Permittee shall ensure that sewage from any potable chemical toilet is disposed of at an approved sewage treatment facility.	Full	Elco a company that supply portable toilets and collect same is contracted to collect the portable toilets.
46.	The storm water drainage plan shall be implemented based on a design approved by the National Works Agency.	NC	Drainage plan implemented at some locations is not based on a design approved by NWA However CHEC indicated that the implementation of the Storm water Drainage Plan in biweekly meeting held at Treadways campsite. These plans were not submitted to the Agency.
47.	The Permittee shall notify the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5, in writing of: <ul style="list-style-type: none"> <li>▪ The date of commencement of construction of the highway</li> <li>▪ The date when the highway will be</li> </ul>	NC	No notification was received.

	commissioned at least two (2) weeks prior to commissioning		
48.	The Permittee shall develop and submit for the approval of the Agency/Authority appropriate measures for the prevention of the erosion of any cut faces and drainage features during construction and operation.	Full	This document was submitted. The date of submission is not known at this time.
49.	The Permittee and/or its agents shall pursuant to Specific Condition 48 install appropriate permanent measures for the prevention of the erosion of any cut faces and drainage features during construction and operation.	Partial	Some locations cut faces have been stabilized. Works is still ongoing.
50.	The Permittee and/or its agents shall ensure that the storm water drainage plan to be implemented is approved by the National Works Agency prior to implementation and a copy of the relevant approval is submitted to the Agency.	Partial	An approved storm water drainage plan was submitted on February 6, 2014. However changes have been made since then and no approval was received from NWA for the construction of some of the drains. General approval was later granted by the NWA. The JNSHC/CHEC was advised to submit a written no objection letter from NWA
51.	The Permittee and/or its agents shall comply with the conditions of the National Works Agency as outlined in their letter dated 4 April 2013 (see attached said letter from NWA)	Full	Permittee is in compliance with the conditions
52.	There shall be no construction between km 56.5 and km 60.0 without the prior written approval of the Jamaica Bauxite Institute and the Authority	Full	Approval was received.
53.	The Permittee and/or its agents shall ensure that all licensing requirements for quarrying works are obtained by the contractor prior to the commencement of those activities. In addition, copies of the Quarry Licences shall be submitted to the Manager, Enforcement Branch, the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email to <a href="mailto:EnforcementManager@nepa.gov.jm">EnforcementManager@nepa.gov.jm</a> .	Full	Copies of Quarry license were submitted.

54.	There shall be no blasting or use of explosives in the Permitted Area without the prior written approval of the Mines and Geology Division and prior to submission of the relevant Licences to the Agency.	Full	MGD was aware of the blasting operations and was sometimes present. There are no more blasting activities scheduled for this area. CHEC is currently finalizing post blast survey reports
55.	The granting of this Environmental Permit does not relieve the Permittee from complying with any other statutory obligation or from applying for and obtaining any permission, certification, permit or license required by law. These include but are not limited to Building Permission under the Building Act, Planning Permission under the Town and Country Planning Act and Environmental Permits under the Natural Resources Conservation Authority Act	Full	All other required permits and license are applied for including the Building Permit.
56.	The Permittee and/or its agents shall provide for the approval of the Authority a detailed layout and building plan for any construction site offices.	Full	Building plans submitted the dates of submission are not known at this time
57.	The Permittee shall apply to the Authority for Environmental Permits pursuant to Section 9 of the Natural Resources Conservation Authority Act for any batching plant and sewage treatment and disposal facility to be erected or constructed in connection with the Permitted Activity and Environmental Licenses pursuant to Section 12 of said Act for the discharge of any trade or sewage effluent.	Full	Permittee has all the required permits and licenses
58.	The Permittee and/or its agents shall apply to the Authority for an Environmental Permit pursuant to Section 9 of the Natural Resources Conservation Authority Act for the construction of the toll facilities and the associated sewage treatment and disposal facilities in accordance with the Natural Resources Conservation (Permits and Licences) Regulations 1996.	N/A	Part of this condition is not applicable as the permittee was informed that the only permit required is the permit for the sewage treatment and disposal which has been obtained.

**Key:**

**Full:** Means the operation was in compliance with the condition or Condition has already been met or Condition is no longer applicable.

**Partial:** The operation was only partially compliant with the condition

**NC:** The condition was not being met.

**NA:** Conditions was not applicable at the time or it could not be assessed because: \_\_\_\_\_

**Site Warning notice issued on site. No.**

### Comment/Observation

- The highway is partially completed and operational. Outstanding works include drainage and slope stabilization and protection works.
- The existing check dams have been repaired. (K62+200, K62+400, K62+460)
- 2 new check dams have been constructed. (K61+900, K62+130)
- The loose sediments at chalky hill are currently being removed.
- The CHEC Environmental Engineer advised that a proposal would be submitted to NEPA for a new check dam to be placed within the lower section of the Halbridge gully near the North Coast Highway just before Old Fort Bay to further reduce the turbidity at Old Fort Bay Beach.

### CONCLUSION:

Based on the observations and assessment of the conditions of the permit issued, 50 of the 59 conditions being monitored were applicable at the time of the inspection. Of these conditions 38 were fully compliant, 8 were non-compliant, 4 were partially compliant and 11 conditions were not assessed. Therefore the permittee was found to be 76% compliant with the conditions of the permit at the time of the inspection.

### RECOMMENDATIONS:

- Ensure that the maintenance works on the check dams along Halbridge gully is done and is adequate.

### APPENDIX



Photo 1: New check dam in place at K2+130 (Photo taken by NEPA Officer on 10 March 2016)



Photo 2: Repaired check dams at K62+400 (Photo taken by NEPA Officer on 10 March, 2016)





Photo 4: Lined culvert at Mammee Bay  
(Photo taken by NEPA Officer on 10 March, 2016)



Photo 4: Old Fort Bay Beach  
(Photo taken by NEPA Officer on 10 March, 2016)

Photo 5: Tributary from Halbridge gully to Old Fort Bay  
(Photo taken by NEPA Officer on 10 March, 2016)



Photo 6: Siltation at Halbridge gully  
(Photo taken by NEPA Officer on 10 March, 2016)