



NATIONAL ENVIRONMENT & PLANNING AGENCY

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Ref: 2016-13017-EP00423

Thursday, August 10, 2017

Mr. Errol Mortley
Environmental Manager
National Road Operating & Constructing Co. Ltd.
Development Bank of Jamaica Building
4th Floor, 11A-15 Oxford Road
Kingston 5

Dear Mr. Mortley:

Re: Application for Permit under Section 9 of the Natural Resources Conservation Authority (NRCA) Act, 1991, in respect of 2016-13017-EP00423 Construction of new highway; May Pen, Clarendon to Williamsfield, Manchester

Based on a review of the application for the captioned project, the Authority hereby grants the attached permit, #2016-13017-EP00423

The Permittee is advised to carefully read the entire permit including all conditions outlined. Please note that all terms and conditions must be adhered to, as failure to do so may result in the Authority taking legal action against you.

An appeal of any term or condition may be made to the Minister of Environment in writing, according to Section 35 of the Natural Resources Conservation Authority Act (1991), within twenty-eight (28) days of the date of the permit.

Yours sincerely,
National Environment & Planning Agency

Morjorn Wallock
for Chief Executive Officer

MW/sw

Any reply or subsequent reference to this communication should be addressed to the Chief Executive Officer, to the attention of the officer dealing with the matter, and the reference quoted where applicable.

*Managing and protecting Jamaica's land, wood and water
A Government of Jamaica Agency*



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**THE NATURAL RESOURCES CONSERVATION AUTHORITY ACT
The Natural Resources Conservation (Permits and Licences)
Regulations, 1996**

**Permit to Undertake Enterprise, Construction
Or Development in a Prescribed Area
[Pursuant to Section 9 (2)]**

Permit No. 2016-13017-EP00423

Application Date: 28 November 2016

Issue Date: 14 NOV 2017

The Permittee: National Road Operating Construction Company Limited (NROCC)

Of: 11A -15 Oxford Road Kingston 5

Is hereby authorized to undertake:

Construction of New Highway

At: May Pen, Clarendon to Williamsfield, Manchester

In accordance with the terms and conditions specified in the Schedule.

**This Permit is granted subject to the Terms and Conditions set forth in the
Schedule below**

SCHEDULE

The Natural Resources Conservation Authority under its mandate to ensure the proper management, conservation and protection of the physical resources of this island has pursuant to Section 9 of the Natural Resources Conservation Authority Act and the Natural Resources Conservation (Permits and Licences) Regulations 1996 established a system of permits for prescribed activities as mandated by the Natural Resources (Prescribed Areas) (Prohibition of Categories of Enterprise, Construction and Development) Order, 1996). It is an implied condition of every permit that based on the information presented in the Project Information Form, the Application form and where applicable the Environmental Impact Assessment and any addendum or adjustments made thereto, that the Authority is of the view that the activity subject to all the conditions stipulated in this Permit is not likely to be injurious to public health or the environment. Where new regulations are made or existing regulations are amended by the Minister under the Natural Resources Conservation Authority Act 1991 or other statute this permit shall be deemed, upon promulgation of such regulations or statute to automatically be amended to conform with such regulations or statute.

This Permit comprises all ten (10) pages of this document, the Permit Application Form received and date stamped by the Natural Resources Conservation Authority 25 November 2016 documents titled, "Addendum to 2007 ENVIRONMENTAL IMPACT ASSESSMENT Highway 2000 Phase 1C May Pen to Williamsfield" dated 26 June 2017, received and dated stamped 4 July 2017; document titled "Environmental Impact Assessment Highway 2000 Phase 1B Sandy Bay to Williamsfield" received and date stamped by the Authority 25 November 2016

Description of Permitted Activity

The proposed highway entails the following:

- The proposed realignment begins at chainage K43 + 500 west of the Rio Minho Bridge then traverses westerly south of and parallel to the existing A2 main road culminating at Williamsfield Manchester. The current Melrose highway will be upgraded and widened to become a four lane dual carriage way.
- The proposed road will include the construction of one major bridge across the Rio Minho and will traverse several (53) water ways and crossings along the route.
- The sections to be constructed on the alluvial plain (15km) of Clarendon are proposed to be elevated and will be built mainly by cut and fill using limestone/marl base.
- The road is estimated at approximately 28.3km in total length with the realignment being 20km long.
- The highway is designed to accommodate the 50yr return rainfall with major bridges and crossings designed to accommodate the 100yr flood and 10yr flood respectively.
- All crossings are to be accessed by over passes or underpasses. These crossings include rivers, streams, drains, waterways and roads.
- The re-aligned road involves the relocation of thirty (30) residential units and possible realignment of irrigation canals.
- Deep cuts up to 28m are proposed in the mountain regions and a combination of blasting and excavation are to be done to establish the foundation for the road which also includes filling a number of limestone depressions.
- The speed limit for the most part will be 110km/hr in general and 80km/hr in the hilly terrains of St. Toolis and Melrose Hill.
- The entire project is projected to last for 36 months

Definitions

“Permittee” means the holder of this Permit.

“Agency” means the National Environment and Planning Agency established pursuant to S.4 of the Executive Agencies Act.

“Authority” means the Natural Resources Conservation Authority established pursuant to S.3 of the Natural Resources Conservation Authority Act.

“Representation” means any information implied or express on which the Authority has relied to grant this Permit and includes all the information contained in the Application

Form, the Project Information Form and the Environmental Impact Assessment Report where applicable, addenda and all supplementary documentation and information including but not limited to correspondence.

The Permittee hereby undertakes to comply with all the following terms and conditions:-

General Conditions

1. All works carried out pursuant to this Permit shall be performed under the professional supervision of trained personnel who are qualified and competent to carry out the functions and duties of the Permitted Activity and who are conversant with the accompanying safety requirements and the hazards to workers, the public and the environment.
2. The Permittee shall not assign, or transfer or dispense with this Permit or part with any benefit under it except with the prior written consent of the Authority.
3. Any reference to time in this Permit shall be computed as of the date of issue of this Permit.
4. The Authority reserves the right to alter, amend or introduce new conditions to this Permit at any time.
5. The Authority may in its sole discretion revoke or suspend this permit if it is satisfied that a breach of any term or condition, implied or express, subject to which this permit has been granted has been committed.
6. The Permit is granted subject to any existing legal rights of third parties.
7. This Permit does not dispense with the Permittee's obligations under any other law, nor does it authorize a contravention of any statute, regulations, the common law or breach of any agreement.
8. The Authority reserves the right to review this Permit periodically and may initiate administrative and/or judicial action for any violation of any condition by the Permittee, its customers or guests, its agents, employees, servants, contractors or assignees.
9. The Permittee shall, prior to the commencement of the permitted activity, post a sign in a prominent place at the location of the permitted activity using the same design and words as in the template attached.
10. The company shall maintain and keep in good repair all equipment used in carrying on the process (or operation) as the case may be. Maintenance shall be carried out in accordance with the manufacturers' recommendations or in such better manner or at such greater frequency as operational experience may show to be appropriate.
11. There shall be safe and adequate access to all sampling and monitoring points.
12. The Permittee shall keep all records of the operation including any environmental monitoring results for a period of not less than five (5) years, computed from the date on which the records were made and such records shall be available for inspection at any reasonable time by any member or officer of the Authority authorized to do so.
13. Any amendment to the records shall be made in such a way as to leave the original result legible. Only authorized persons may make amendments to records and every such amendment shall bear the signature of the said authorized person.
14. The failure of the Authority to enforce at any time or for any period any one or more of the terms or the conditions of this Permit shall not be a waiver of its right at any time subsequently to enforce all the terms and conditions of this Permit.
15. Any member of the Authority or any authorized officer of the said Authority may at any reasonable time, make such periodical inspections and investigations in respect of the activities that are herein permitted for the purpose of ascertaining whether the terms and conditions of this permit are being observed or not and the Permittee shall allow such authorized officer to do such inspections.

16. If there is any proposed change in the ownership of the Permittee notification of such change shall be given to the Authority at least one (1) month prior to such change.
17. If the permitted activity does not commence within five years after the date of this Permit, then this Permit is void and the Permittee shall re-apply for a new Permit.

Specific Conditions

1. The Permittee shall comply with all representations made in the Permit Application Form received and date stamped by the Natural Resources Conservation Authority 25 November 2016 documents titled, “Addendum to 2007 ENVIRONMENTAL IMPACT ASSESSMENT Highway 2000 Phase 1C May Pen to Williamsfield” dated 26 June 2017, received and dated stamped 4 July 2017; document titled “Environmental Impact Assessment Highway 2000 Phase 1B Sandy Bay to Williamsfield ” received and date stamped by the Authority 25 November 2016 and any other accompanying addenda.
2. 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.
3. The Permittee shall implement the mitigation measures as proposed in the document titled “Addendum to 2007 Environmental Impact Assessment Highway 2000 Phase 1C May Pen to Williamsfield” dated 26 June 2017 received and date stamped by the Authority 4 July 2017.
4. All communication pursuant to any General or Specific Conditions contained herein shall be addressed to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email to EnforcementManager@nepa.gov.jm.

Documentation Required

5. The Permittee and/or its agents shall, at least four (4) weeks prior to the commencement of the Works, submit a schedule of the Works to the Manager, Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or by email to EnforcementManager@nepa.gov.jm.
6. The Permittee shall submit for the approval of the Agency/Authority, a detailed Environmental Monitoring and Mitigation Plan within 30 days of the date of issue of the Permit. This Plan shall include, but shall not be limited to:
 - Person(s) responsible for environmental management and their qualifications
 - 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
 - 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
 - Contingency measures to be employed for cleaning up any accidental spills – fuel, oil or hazardous material – that may occur
 - Sample format for monitoring reports
7. The Permittee 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.
8. The Permittee shall submit, for approval, a Flora and Fauna Management Plan to the Authority/Agency within 30 days of the date of issue herein. The Plan shall include but not be limited to:
 - List of endemic, protected or threatened species
 - Measures to be employed to protect identified endemic, protected or threatened species
 - 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
 - Measures to be employed to allow for the detection and protection of bats
9. The Permittee shall conduct an assessment of the proposed highway route alignment

especially in the St. Toolis area to determine whether bats utilize the area. The methodology to be used to conduct the assessment shall be forwarded to the Agency for approval within 30 days from the date of issue of this Permit.

10. 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 within 30 days from the date of issue of this Permit.
11. 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:
 - Details for the planting of trees to compensate for the loss caused by the Works
 - Details for the re-vegetation of areas along the highway, including cut slopes, benches, bridge approaches, interchanges, camp sites, sites of batching plants, etc.
 - Measures to be employed to compensate for the loss of habitat for any sensitive or commercially viable species (e.g. bats, bees, orchids, etc.) impacted by the Works
12. The Permittee 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.
13. The Permittee 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.
14. The Permittee or its agents shall develop a Waste Management Plan which must be submitted for approval Agency/Authority within thirty (30) days of the date of issue herein. The Plan shall include but not be limited to:
 - The designation of appropriate waste storage areas
 - Waste collection and removal schedules
 - System for the supervision and monitoring of the various types of waste
15. The Permittee 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 Osbourne Store and Tollgate, Milk River and adjoining lands and communities. This Flood Control and Drainage Management Plan shall be submitted to and approved by the Agency/Authority and the National Works Agency prior to any construction.
16. The Permittee 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, excavation or construction works especially in the St. Toolis and Milk River areas. This report shall include, but is not limited to the following:
 - Geotechnical models and analysis
 - Geophysical (seismic) surveys
 - Peak ground acceleration and site spectral response to be used in slope stability analysis
 - Qualitative and quantitative assessments of rock/soils
 - Proposed solution to treat with any geotechnical issues identified
17. The Permittee shall submit for the approval of the Agency/Authority a detailed Water Resource 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 not be limited to:
 - a. Water quality monitoring and storm water quality control, with special attention be given to areas with sinkholes, wells and the low points along the alignment
 - b. Plan for preserving the wells that fall within the corridor of the approved road

- c. alignment
- d. Sediment control plan
- e. Location and type of engineering solutions to treat highway runoff during construction and operation
- e. An assessment of the sinkholes and wells that may 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

The following must be considered in the developing of the Water Resources Management Plan:

- NWC and NIC wells in proximity to the alignment must not have their production affected by the highway. Pipelines, electricity supply, treatment plants and control centres must not be impacted such that the water supply to the Clarendon Plains is affected.
- Aquifer water quality must be protected from high turbidity rainfall runoff/inflows, spills of hazardous materials and discharges from the works.
- WRA monitor wells must not be removed or damaged so as to affect the monitoring capability and length of record.

18. Pursuant to Specific condition #17, the Permittee shall submit for approval a detailed operation and maintenance manual for the protection, maintenance and cleaning of the engineering solutions for water quality control to sinkholes, depressions and wells. The Manual must outline but not be limited to the following:

- Specific pollutants being treated for
- Proposed standards for the pollutant discharge to the sinkholes and wells
- Proposed frequency for monitoring of ambient water quality
- Proposed method and frequency for monitoring of runoff to be discharged to the sinkholes and wells

19. Pursuant to Specific Conditions # 17 and 18, the Permittee shall provide the name and contractual arrangement for the responsible entity for the cleaning and maintaining of the engineering solutions for water quality control.

20. The Permittee is expressly forbidden from blocking or negatively impacting any wells within the alignment without the prior written approval of the Authority.

Applicable Standards

21. Noise level shall not exceed 85dBA at the boundary of the road reservation at any given time during construction, save and except where otherwise specified by the Authority.

22. Where the road passes through a residential area, noise level shall not exceed 55dBA at the boundary of the road reservation at any given time.

23. 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.

24. The Permittee shall comply with the Natural Resources Conservation Authority Ambient Air Quality Regulations, 2006.

25. The Permittee shall comply with the Ambient Air Quality Standards Regulations for Jamaica - August 1996.

Monitoring

26. 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 and/or by email to EnforcementManager@nepa.gov.jm, with copies to the Water Resources Authority, The Mines and Geology Division, The National Works Agency, and the Environmental Health Unit, Ministry of Health during the construction phase of the development. This information shall include, but shall not be limited to:

- The date, exact place (GPS coordinates) and time of sampling or measurement for water and air quality

- The person(s) and/or organisation responsible for performing the sampling or measurement.
 - The date(s) analyses were performed
 - Analytical techniques or methods used
 - The results of water and air quality analysis
 - Details of any environmental incidents, including spills or damage to sensitive flora or fauna and corrective actions taken
 - Details of assessments of the implemented mitigation measures implemented as per the approved Environmental Monitoring and Mitigation Plan
 - Details of any artefact, archaeological, cultural, economic or ecological feature, unique specimen or significant deposits of fossils found during construction; actions taken and outcomes
 - Details of the emptying of chemical toilets, to include evidence to support the collection and disposal at an approved sewage treatment facility
27. The Permittee shall commence monitoring of noise, ambient air quality and storm water runoff as follows:
- immediately
 - monthly at all active areas of construction and areas impacted by the construction of the highway (during construction)
 - monthly at all major drainage features (during operation)
 - within 24 hours of any significant event

During Construction and Operation

28. The Permittee shall, in the event of any breach of the Standards referenced in Specific Conditions 23 – 27 above; as verified by the monitoring results submitted to National Environment & Planning Agency, submit a Compliance Plan to ensure that the highway construction is brought into compliance with the standards.
29. The Permittee 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.
30. 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 the written permission from the Authority/Agency.
31. The Permittee shall seek the necessary approval from the Agency where there is need for works to be conducted beyond the hours stipulated in condition # 30.
32. 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.
33. The Permittee 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 construction phase.
34. The Permittee shall ensure that trucks transporting particulate material during the construction phase are adequately covered to prevent the entrainment of particulates in the ambient air.
35. The Permittee shall ensure that all stockpiles of earth materials used for construction are located within temporarily constructed enclosures to limit fugitive dust.
36. The Permittee shall within 24 hours notify the Agency and the Jamaica National Heritage Trust of any artefact, archaeological, 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 Authority.
37. The Permittee shall at least 7 days prior to any land clearance notify the Jamaica National Heritage Trust and the Agency so that a watching brief can be carried out at the time of land

clearance.

38. The Permittee shall not remove or cause to be removed/damaged any vegetation outside of the approved alignment of the road.
39. The Permittee shall ensure that there is no blockage of any sinkhole/s as a consequence of the highway construction.
40. The Permittee shall ensure that solid waste generated during the construction phase of the highway 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 Management Authority shall be submitted to the Manager of the Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5.
41. The Permittee 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.
42. 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 Licence from the Natural Resources Conservation Authority.
43. 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.
44. The Permittee shall ensure that sewage from any potable chemical toilet is disposed of at an approved sewage treatment facility.
45. The Permittee shall obtain the necessary approval from the Local Health Authority for the treatment and disposal of the sewage.
46. The Permittee shall notify the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5, in writing of:
 - a. The date of commencement of construction of the highway
 - b. The date when the highway will be commissioned at least two (2) weeks prior to commissioning
47. The Permittee shall develop and submit for approval by the Authority appropriate measures for the prevention of the erosion of any cut faces and drainage features during construction and operation.
48. Pursuant to Specific Condition 47 the Permittee shall install appropriate permanent measures for the prevention of erosion of any cut faces and drainage features during construction and operation.
49. The Permittee shall remove all loose rocks and boulders prior to commencement of blasting and cutting within the Milk River and St. Toolis areas.

Approvals Required

50. The Permittee 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 and/or by email to EnforcementManager@nepa.gov.jm.
51. 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.
52. 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 Licence 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 (NRCA).

53. The Permittee shall provide for the approval of the Authority a detailed layout and building plan for any construction site offices.
54. The Permittee shall apply for Environmental Permits pursuant to Section 9 of the NRCA act for the construction of the new Rio Minho Bridge and any other similar facilities within the corridor.
55. The Permittee shall apply 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 Licences pursuant to Section 12 of said Act for the discharge of any trade or sewage effluent.
56. The Permittee 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.
57. The Permittee shall apply for Building Permission under the Building Act, Planning Permission under the Town and Country Planning Act for the construction of the toll facilities, site office or any other development to be undertaken in connection with the permitted activity.

Drainage

58. The Permittee shall conduct a detailed flood impact assessment for the entire highway with special emphasis on the segment between the Rio Minho Bridge and Milk River. The assessment shall include pre and post construction flood mapping and shall take into consideration back flood analysis for the highway, mapping and evaluation of detention ponds and other existing drainage features and their ability to accommodate the additional loading and shall include an assessment of the impact of recent flood events in the area and include mitigation measures to address same. This assessment shall be completed and submitted to the NWA for approval before the commencement of construction works.
59. The Permittee shall develop and submit detail drainage plans for the entire highway to the NWA for approval prior to the start of construction works.
60. The Permittee shall prepare a detailed highway drainage maintenance plan for the entire road and shall submit same to NWA and NEPA for approval within three (3) months of the date of the Permit.

Spoil Sites

61. The Permittee shall upon the selection/identification of the final locations for the spoil sites submit georeferenced coordinates for approval by the Agency prior to the utilization of such sites. The Agency should be informed in writing of any changes made in the location of such sites in order to allow for an assessment to be done.
62. The Permittee shall ensure that the material stored at the spoil sites is adequately bermed and the relevant drainage features implemented to prevent the movement of sediment into water ways, rivers or streams.
63. The Permittee shall develop and submit a landscape and rehabilitation plan to the Agency for approval, for all spoil sites utilised in the construction of the highway and the site shall be completely rehabilitated prior to the commissioning of the new highway.

Other Requirements

64. The Permittee shall ensure that the Old Melrose main road is adequately upgraded and improved as an alternative route before the commissioning of the new highway.
65. The Permittee shall ensure that those residents and vendors located within the corridor of the new highway are adequately and satisfactorily relocated prior to the start of construction works.

66. The Permittee shall obtain all the relevant approvals from the National Irrigation Commission prior to the start of construction works in those areas where NIC infrastructure and equipment are likely to be impacted.
67. The Permittee shall obtain written approval from the Jamaica Bauxite Institute and Jamalco for those areas along the corridor where bauxite reserve deposits are likely to be impacted before the start of construction works in those areas. A copy of the approval shall be submitted to the Agency within fourteen (14) days of the date of receipt.
68. The Permittee shall ensure that all cut and fill slopes are replanted with vegetation (hydro-seed) upon completion of construction works on same and steep cuts in the St. Toolis, Milk River and Redberry regions shall be completely rehabilitated with vegetation cover once construction works are completed.

Dated the *9th* day of *August*, 2017



PETER KNIGHT, J.P.
for Natural Resources Conservation Authority

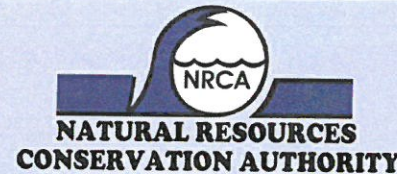


MORJORN WALLOCK
Secretary
Natural Resources Conservation Authority

ADDRESS:



National Environment
and Planning Agency



NRCA ENVIRONMENTAL PERMIT/LICENCE

10 & 11 Caledonia Ave, Kingston 5, Jamaica W.I.; Tel: (876) 754-7540/3; Fax: (876) 754-7595-6,
Toll free: 1-888-991-5005; Email: ceo@nepa.gov.jm; Website: <http://www.nepa.gov.jm>

Volume:	Folio No.	Permit No.	Date Issued:
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Related Approval Reference Numbers:

Issued To:

For inspection please call: (876) 754 7540; Email: Enforcementmanager@nepa.gov.jm
The permit/licence may be viewed at http://amandaweb.nepa.gov.jm/AMANDA5/eNtrprise/Jamaica/public/public_query.jsp

Instructions and specifications for the erection of the sign:

1. This sign is to be posted at all locations for which the Authority has granted and issued an instrument.
2. All letters must be a minimum of 3cm high, in a font that is easily legible, in colours as detailed in the template above and against a white background (the colour black shall be used for those sections to be completed).
3. This sign is to be made weatherproof and must stand throughout the life of the construction period or the life of the instrument as instructed in the condition(s) of the instrument issued.
4. This sign is to be easily visible from major access way(s).
5. Failure to post this sign constitutes a breach of the Permit/Licence.