

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

Inspection Date: 2014/05/06

Report in Series: 2 of 2014

Time of Inspection: 8:30am

Permitted Activity: Special BCA Beach License for use of the Foreshore and Floor of the sea to carry out Geotechnical Investigation

Location of Activity: Galleon Harbour, St. Catherine

Applicant: China Harbour Engineering Company

Reference No.: 2014-14017-BL00010

Approval Date: 18 March 2014

Name of Contact: N/A

Contact Telephone #: N/A

E-Mail:

Present were: Damany Caulder (Ecosystems Branch-NEPA), Mr. Moodie (Fisherman- Old Harbour Bay), Rudolph Carroll (Enforcement Branch-NEPA)

Description of Permitted Activity

To carry out geotechnical investigation on that portion of the foreshore and floor of the sea at GALLEON HARBOUR (Special Fisheries Conservation Area, Portland Bight Protected Area) in the parish of ST. CATHERINE, including the Great Goat Island, Little Goat Islands and the waters south of the Goad Islands extending southwards towards the Shipping Channel, which abuts East on the Hellshire Hills, West on the Caribbean Sea, North on lands in the possession of the Agro-Investment Corporations and South on lands in the possession of the Commissioner of Lands.

Permit Status: Collected (2014/04/17)

Observations/Findings

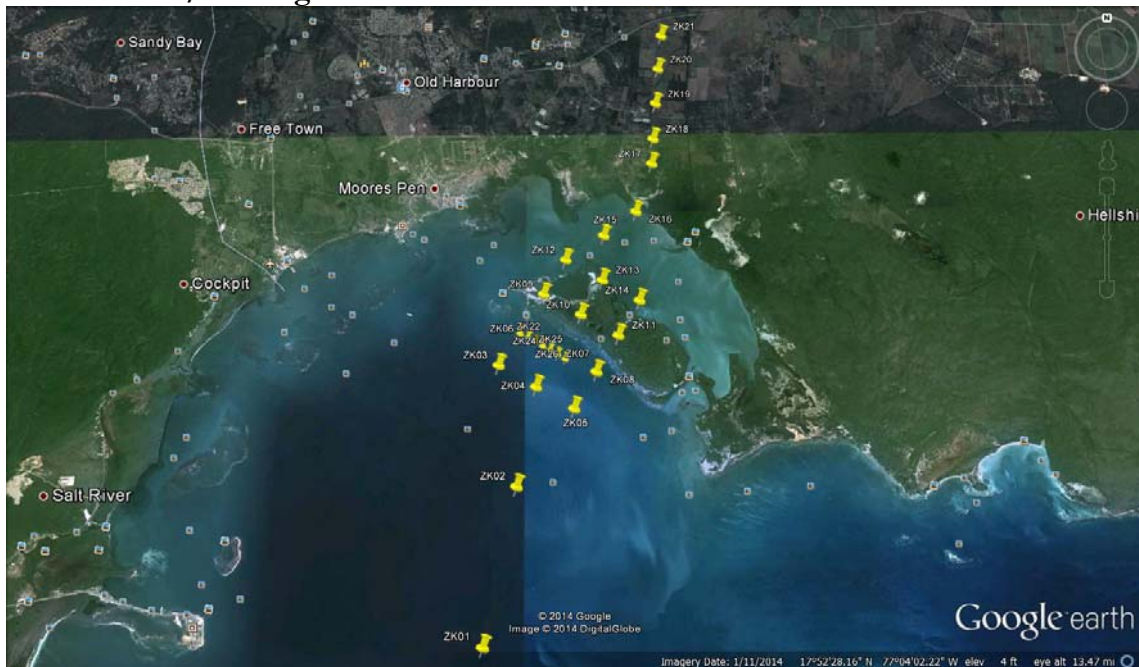


Plate 1. Image of the Goat Islands in the Portland Bight Area showing proposed points for the bore holes. (Courtesy of Google Earth 1/11/2014)

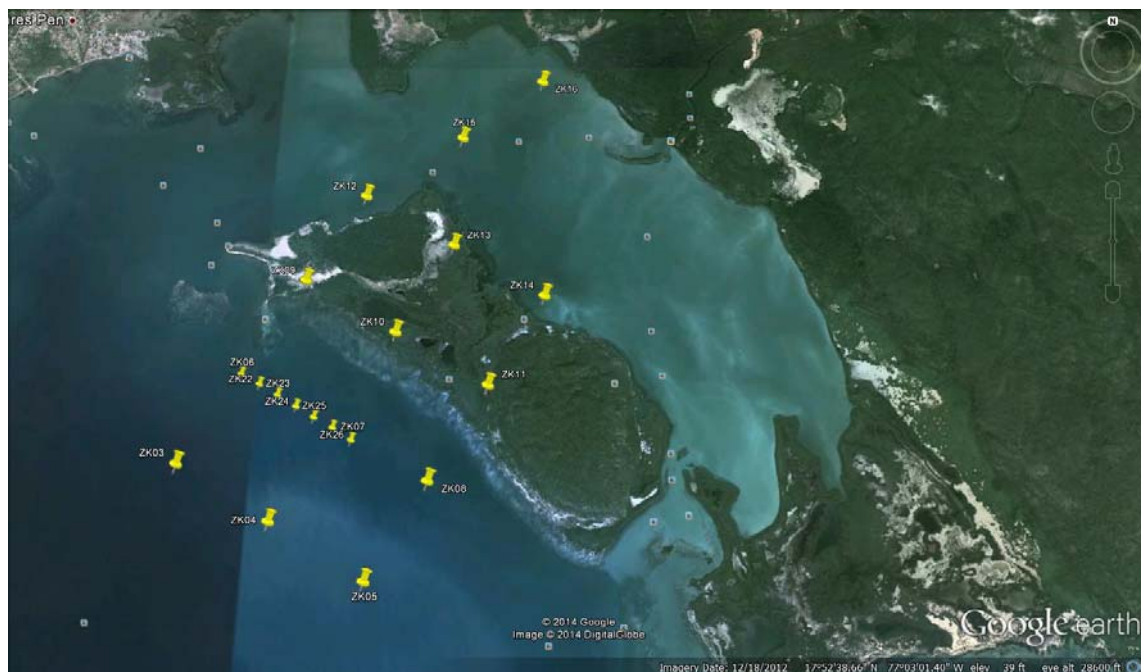


Plate 2. Image of the Goat Islands in the Portland Bight Area showing proposed points for the bore holes. (Marine focus) (Courtesy of Google Earth 1/11/2014)

- The permit has been collected by China Harbour Engineering Limited (CHEC)
- No activity was observed being carried out at the time of this inspection.
- Four of the twenty six points were randomly selected and assessed to verify if any work was being carried out.
- ZK06 was found to be at a depth of approximately 30ft however the substrate was determine be mud.
- ZK10 was found in a mangrove strand with no indication of disturbance in the area.
- ZK12 and ZK15 was found at a depth of approximately 7ft and 15ft respectively however the visibility in the area was poor and the substrate was determined to be a mixture of mud and degraded sea shells.

Based on a discussion with Mr. Moodie, a fisherman in from the Old Harbour Bay Fishing Village the following was highlighted:

- Men believed to be representing CHEC where seen briefly in the area about a week prior to this inspection however he was unsure of the purpose of their visit.
- No work was observed being carried out in the area.

Based on a discussion had with Ms. C. Roye, the processing officer of this application (Application Processing Branch- NEPA), the following was highlighted:

- CHEC has applied for an amended to the permit in order to change the locations of some points and to increase the number of points.
- The amendment is currently being processed and no permission has been to CHEC at this time.

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.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
No	Specific Condition	Level of Compliance	Comments/Action

1	The Licensee shall comply with all the representations made in the application number 2014-14017-BL00010 dated 15 January 2014 received and date stamped 24 January 2014 by the Natural Resources Conservation Authority and document titled 'Implementation Plan of Geotechnical Investigation for the First-Stage Container Terminal Project in Portland Bight Port, Jamaica' dated January 2014 received and date stamped 24 January 2014 and any accompanying addenda.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>																																																																										
2	The Licensee shall, at least seven (7) working days prior, submit a schedule for the drilling activity to the Manager, Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5, or EnforcementManager@nepa.gov.jm .	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>																																																																										
3	Any changes in the schedule referenced in Specific Condition 2 shall be submitted to the Manager, Enforcement Branch of the National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5, or EnforcementManager@nepa.gov.jm , at least seven (7) working days prior to the implementation of these changes.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>																																																																										
4	In order to avoid interference to other waterway users, the Licensee shall notify users of the waterway of the scheduling of the works and shall as much as it is possible, prevent obstruction to the normal waterway traffic. Such notification shall be by way of a widely circulated newspaper in Jamaica seven days prior to the start of the works. Standard navigational aids warning users of the waterway of the works shall be employed.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>																																																																										
5	The Licensee shall ensure that boreholes are drilled only at the GPS Coordinates outlined below as stated in document titled 'Implementation Plan of Geotechnical Investigation for the First-Stage Container Terminal Project in Portland Bight Port, Jamaica' dated January 2014 received and date stamped 24 January 2014:	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>																																																																										
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	ZK19	sampling borehole	77°02'56.0"W	17°55'41.4"N		
	ZK20	SPT borehole	77°02'53.1"W	17°56'13.9"N		
	ZK21	sampling borehole	77°02'49.5"W	17°56'45.9"N		
	ZK22	sampling borehole	77°04'40.9"W	17°52'24.3"N		
	ZK23	SPT borehole	77°04'35.0"W	17°52'21.0"N		
	ZK24	sampling borehole	77°04'29.0"W	17°52'17.6"N		
	ZK25	SPT borehole	77°04'23.3"W	17°52'14.3"N		
	ZK26	SPT borehole	77°04'11.4"W	17°52'7.6"N		
6	The Licensee shall notify the Agency in the event that a change in the location of any of the boreholes become necessary and shall not conduct the activity in any new areas without the express written consent of the Agency.				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
7	The Licensee shall submit to the Agency a detailed report outlining the total area impacted to facilitate the drilling of the boreholes, the route to be constructed and the methodology that will be used to create the access routes and working footprint of the drilling activity. This report shall also indicate what type and quantity of vegetation has been so impacted.				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
8	Pursuant to condition # 7 the Licensee shall ensure that the access routes to be created on the Goat Islands do not disrupt the hydrological regime of the wetlands that will be impacted as a result of the drilling activity. Prior to the start of any access route construction areas requiring the installation of conduits to allow for hydrologic flows is to be identified and shall be submitted to the Agency for approval.				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
9	The Licensee shall inform the Agency of the proposed mechanisms to prevent the increased sedimentation of the water in the wetlands and any natural drainage areas as a consequence of the access route construction and the borehole activity at least Ten (10) working days prior to the commencement of any access route construction or drilling works				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
10	The Licensee shall ensure that no more than 21 cores ranging in size from 75-100mm in diameter are removed from the Goat Islands, foreshore and floor of the sea as per document entitled "Implementation Plan of Geotechnical Investigation for the First-Stage Container Terminal Project in Portland Bight Port, Jamaica" dated January 2014 received and date stamped 24 January 2014.				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
11	The Licensee shall monitor turbidity values on a daily basis to ensure that during drilling, turbidity values more than 5 metres away from the site of drilling for each hole does not exceed 10 NTUs above background or ambient condition, whichever is higher. A weekly turbidity report shall be submitted to the Agency for review				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
12						
13	The Licensee shall ensure that 48 hours prior to hurricanes or other meteorological events, works should be halted and turbidity values allowed to fall below 10 NTUs or ambient conditions.				N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>

			<i>activity.</i>
14	The Licensee shall ensure that equipment being used in the drilling activities are not placed on corals or other sensitive marine fauna.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
15	The Licensee shall ensure that prior to the start of drilling for each hole the target site is cleared of any slow moving marine organism which would otherwise have been injured by the activity.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
16	The Licensee shall obtain the expressed written approval of the Authority prior to any changes in number of holes to be drilled in excess of the amount stated in this Licence.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
17	The Licensee shall immediately notify the Authority of any crocodile sighting and shall ensure that every effort is made so as to not disturb the animals in their natural habitat.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
18	The Licensee shall ensure that prior to the commencement of the works, a detailed Emergency Response Plan for any accidental spills – fuel, lubricants or hazardous material and sediment is submitted to the Agency for approval.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
19	The Licensee shall immediately notify the Agency of any spillage of or accident with any hazardous chemicals, inclusive of all hydrocarbons and environmentally damaging material and shall submit a detailed report to the Agency on the clean-up activities as per MARPOL 73/78, Annex I, Regulation 26 within seven days (7) days of the date of the incident.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
20	The Licensee or its agents shall not permit the discharge of waste, including but not limited to sullage waste, oily waste or chemicals or any poisonous noxious or polluting matter into the water or on the ground, as a result of the works.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
21	The Licensee shall ensure that there is no refueling of any marine vessel at sea within the drilling area unless provided for specifically in a Licence from this Authority.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
22	The Licensee and its agents shall ensure that there is no blasting or use of explosives in connection with this licensed activity.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no</i>

			<i>indication that any work has commenced on the proposed activity.</i>
23	The Licensee shall ensure that any solid waste generated during the drilling works is disposed of at a municipal dumpsite approved by the National Solid Waste Management Authority (NSWMA).	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
24	All equipment, left over materials, equipment parts and any other material incidental to the Works shall be dismantled and removed from the floor of the sea and from shore based facilities at the completion of the Works and in any event, prior to the expiry of this Licence to the satisfaction of the Agency	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
25	The Licensee shall ensure that all vessels to be used in the drilling operations receive the requisite approval from the Maritime Authority of Jamaica (MAJ). A copy of the approval from the MAJ shall be submitted to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm prior to the commencement of drilling activities.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
26	The Licensee shall ensure that the final report on the results of the borehole investigation is submitted to the Agency within two months following the completion of the drilling activities.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
27	The Licensee shall ensure that all correspondence, notifications, plans, final reports or any other documents being submitted to the Agency pursuant to any General and/or Specific Condition of the Licence are addressed to the Manager, Enforcement Branch, National Environment and Planning Agency, 10 Caledonia Avenue, Kingston 5 or EnforcementManager@nepa.gov.jm .	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>
28	The granting of this Licence does not relieve the Licensee 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.	N/A	<i>The conditions of this permit could not be assessed as the developer; China Harbour Engineering Company has there is no indication that any work has commenced on the proposed activity.</i>

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** **Warning Notice**
(In every instance where there is NC, a site warning notice is to be served)

Name of Person Warned:

Photos:



Plate3. Substrate test at ZK06. The substrate was confirmed to be white mud. (Photo by R. Carroll 2014/05/06).



Plate4. Aerial view of the area around ZK09 ((Photo by R, Carroll 2014/05/06)



Plate5. Substrate test at ZK12 confirmed mud and sea fauna mixture. Visibility was poor in this area. (Photo by R. Carroll 2014/05/06)



Plate6. Substrate test at ZK15 confirmed mud and sea fauna mixture. Visibility was poor in this area. (Photo by R. Carroll 2014/05/06)

DISCUSSION

No visual assessment (dive) was carried out at the points located underwater as the visibility was poor. A substrate analysis carried out at ZK06 showed that the substrate was mud and as such a visual analysis would prove useless at this time as no evidence would remain in the substrate to indicate whether work was carried out or not. The inspection of ZK09 which was located in a mangrove stand showed no indication of any disturbance to surrounding vegetation. This indicates that that no work was carried out in this area. The overall inspection show all indications that no work has yet been done and based on the applications made for an amendment this would support this assumption.

CONCLUSION

- The permit has collected by China Harbour Engineering Company.
- Based on the inspection carried out no activity has commenced at the proposed site location.

RECOMMENDATION

- The developer should be contacted and reminded of the need to notify the agency of the schedule of activities to be carried out seven days prior to commencement.
- The site should be inspected on a fortnightly basis to ensure no development of the area goes unmonitored.

Date reviewed by Supervisor: 23 June 2014
Date of Final Report: 23 June 2014

Signature of OfficerR. Carroll
Signature of Supervisor/Coordinator C. Martin