



NATIONAL ENVIRONMENT & PLANNING AGENCY

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WARNING LETTER

Ref #: 2012-06017-EP00109

10 March 2016

Managing Director
Jamaica North South Highway Company Limited
4th Floor
6-8 St Lucia Avenue
Courtleigh Corporate Center
Kingston 5

Dear Mr. Xia O Fend Wang;

Re: Sediment Control and Migration Mitigation and Monitoring Plan K 61 to K67

The National Environment and Planning Agency (NEPA) received and reviewed the captioned proposal prepared by China Harbour Engineering Company Limited (CHEC) based on the parameters outlined in the Agency's letter dated 12 February 2016. This document did not fully comply with the stated request as the mitigation measures proposed for drainage, sediment migration and control were inadequately addressed.

The following represents the Agency's findings:

- i. Justifications for the proposed measure were not given, for example, the engineering assumptions used to guide the designs and details of proposed drainage features;
- ii. The document did not include engineering details, drawings or specifications for items (Hydraulic features including check dams and sediment pond/basin).

JNSC is therefore strongly encouraged to submit engineering drawings and specifications which include amongst others things: drawings for dams and ponds (sizes, spacing and referenced location for each item); material specifications such as stone gradation and engineering fabric; and specification for slope protection and scouring mitigation.

Further, the documents submitted only partially addressed the following:

- iii. **Implementation/work schedule of major tasks** - This may be remedied by including timelines to complete tasks;
- iv. **Drainage Maintenance and Monitoring Plan** - Scheduled inspections must address specific timelines and monitoring frequency;
- v. **Slopes Rehabilitation Plan** - The Agency notes that slope rehabilitation was included. An update detailing all outstanding works and measures for implementation is required.

TAKE NOTE that the Chalky Hill location, particularly along the "car route", remains vulnerable. This area may also be classified as high risk, given the potential for generation of significant sediment flows downslope from moderate to major rainfall events. It is therefore crucial that adequate sediment control features are implemented in a timely manner.

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TAKE FURTHER NOTE that highway being made accessible to the motoring public does not constitute completion of works. For this threshold to be met, items such as drainage and sediment control measures need to be fully addressed in accordance with the permit requirements.

All documentation submitted must be certified by a local registered professional engineer.

If you have not already done so, please take the necessary steps to submit the proposed drainage plan to the National Works Agency (NWA) for approval prior to implementation.

To facilitate a prompt and effective assessment, we kindly ask that JNSC provide a revised document with the requested information on or before 18 March 2016. Failure to comply with the stated timeline may result in enforcement action.

Should you have any questions, please do not hesitate to contact the undersigned at 754-7540 ext 2337 or at email Morjorn.Wallock@nepa.gov.jm.

Yours sincerely,

National Environment and Planning Agency



for **Morjorn Wallock**

Director Legal and Enforcement Division

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c. Mr. Peter Knight, JP – Chief Executive Officer, NEPA