

APPENDIX 5.20

Rail Operation Information Provided by MTRC

MTR Corporation Limited
香港鐵路有限公司
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RECEIVED
27 DEC 2018



Black & Veatch Hong Kong Limited
43/F, AIA Kowloon Tower,
100 How Ming Street,
Kwun Tong,
Hong Kong

Our ref: T&ESD/TS&SE/EnvE/L959

Attention: Mr. Jeremy Wong

Date: 27 DEC 2018

By Post and Fax

(Fax no.: 2601 3988)

RECEIVED BY FAX			
ACTION REQUIRED	O/R		
BY	LCH	JW	CMW
FILE	198172		
REPLY	BY	DATE	
TO SEE	KC		

Dear Mr. Wong,

**Re: Agreement No. CE 68/2017 (CE)
Site Formation and Infrastructural Works for the Development at San Hing Road
and Hong Po Road, Tuen Mun - Feasibility Study**

Request for Information of West Rail Line Railway and Light Rail Transit

We refer to your letter dated 14 November 2018 (ref.: 198172-0101) requesting operational information regarding West Rail Line (WRL) and Light Rail Transit (LRT).

Operating Hours

For WRL, the daily operating hours at the concerned section are from approximately 05:00 to 01:00 hours.

For LRT, the daily operating hours at the concerned section are from approximately 05:15 to 01:15 hours.

Number of Cars per Train

Please note that there will be 8 cars per train for the future operating condition of the Tuen Ma Line. However, according to the Environmental Permit for West Rail available via EPD website, the ultimate maximum train cars would be 9 cars.

For LRT, the arrangement of single or coupled-set vehicles will vary depending on the traffic needs and is subject to change without prior notification. For environmental assessment purposes, you may wish to work on the assumption that all vehicles are in coupled-set where appropriate.

Operational Headway for WRL

- The future ultimate daily peak operating train frequency during the period of 07:00-23:00 hours is about 28 trains per hour per direction.
- For the future ultimate daily peak operating train frequency during the period of 23:00-07:00 hours, please refer to the latest Environmental Permit for West Rail Available via the EPD website.
- The current train frequency for both directions in one-day operation is about 551 trains, including non-passenger trains.

Page 1 of 3



Our ref: T&ESD/TS&SE/EnvE/L959
Date: 27 DEC 2018

Operational Frequency for LRT (From Nai Wai Stop to Siu Hong Stop – Route 610, 614, 615 and 751)

- The current peak train frequency during the period of 07:00-23:00 hours is about 28 trains per hour per direction.
- The current peak train frequency during the period of 23:00 to 07:00 hours is about 27 trains per hour per direction.
- The current train frequency for both directions in one-day operation is about 913 trains, including non-passenger trains.

Please note that Light Rail service frequencies are subject to change without prior notification due to future patronage growth. As such, please consider allowing a buffer when estimating future possible environmental impacts.

Speed Profile

For WRL, the current maximum train speed for the section of track between Siu Hong Station and Tin Shui Wai Station is 100 km/h for both directions. However, please note that the latest Environmental Permit for WRL has considered a maximum operating speed of 130km/hr (i.e. EP limit) to cater for potential speed increment in the future.

For LRT, the current maximum train speed for the section of track between Nai Wai Stop and Siu Hong Stop is 70 km/h for both directions.

Track/Wheel Maintenance Record

Please note that track/wheel maintenance record is considered as internal information and will not be provided to outside or third party organizations. Nevertheless, you may want to consider allowing appropriate additional correction factors within your calculations based on your organization's professional judgement to cater for any possible rail condition variations.

Train Noise Data

We suggest that your organization conduct your own noise measurements along the captioned segment of track to suit the individual needs of your study, if necessary.

Existing Trackside Noise Barrier and Section Diagram

We suggest that you attend our office to check the respective drawings suitable for your study. You may contact our Environmental Engineering Manager to make the necessary arrangements.

Please be reminded that any information that may come to your knowledge or come into your possession from MTR Corporation Limited shall only be used solely as reference for this captioned project. Further distribution and/or publication of the above information for purposes not connected with the captioned project are strictly prohibited without the prior consent of MTR Corporation Limited. Please also note that any such information is subject to change without prior notification.



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Should you have any additional enquiries, please feel free to contact our Environmental Engineering Manager, Ms. Catherine Leung at 2993 4127.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'HK Chan', written in a cursive style.

HK Chan
Deputy General Manager – Train Services & Systems Engineering