

GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
FORM 22
AMUSEMENT RIDES (SAFETY)(OPERATION AND MAINTENANCE) REGULATION, CHAPTER 449
SECTION 5
CERTIFICATE OF APPROVAL AS A COMPETENT PERSON

Certificate No. C-075



Electrical and Mechanical
Services Department
98 Caroline Hill Road
Causeway Bay
Hong Kong

Date 10 January 2002

I hereby approve, under Section 5 of the Amusement Rides (Safety) (Operation and Maintenance) Regulation, [REDACTED] Being the holder of
(name of certificate holder)

"Hong Kong Identity Card / Passport No. [REDACTED] to carry out the duties of a Competent Person *under the conditions as stipulated in the Annex to this certificate for the following amusement ride owner(s) and for the amusement rides installed in the following location(s) -

Name of Amusement ride Owner(s)

Sinopower Consultants Limited

Location of Amusement Ride(s)

Zone 3, Tsing Fat Street, Lok On Pai
Area 59, Tuen Mun, N.T

(LAW Yu-wing)

for Director of Electrical and Mechanical Services

- Notes: ① This certificate shall become null and void when the person named herein shall no longer be employed in the capacity and shall forthwith be returned to the issuing officer at the above address.
- ② *The duties which the Competent Person may perform are limited to those stipulated in the Annex to this certificate.

*Delete if inappropriate

Name of Applicant : [REDACTED]

HKID No. : [REDACTED]

Ride Name & Location No. : Karting (XSI-00-001)

Location of Amusement Ride : Zone 3, Tsing Fat Street,
Lok On Pai,
Area 59, Tuen Mun, N.T..

附頁六

工程策劃資料(中力顧問有限公司提供)

中力顧問有限公司
Sinopower Consultants Ltd.

To : Westwood Hong & Associates Ltd.
Attn : Mr. Westwood Hong
Fax : 25916189
Date: March 27, 2002

Dear Sir,

Kart Motor Track at Lok On Pai, Area 59, Tuen Mun
Additional Information required to support the Project Profile

For the additional information as required to support the Project Profile,
please be informed of the followings:

Additional Information :

1. The overall track length of the Kart Motor Track is 500 Metres.
2. There is no specific requirement in the Lease condition of the subject on decommissioning and the restoration.
3. There is no specific requirement on the decommissioning period.
4. For the Boundary Wall, the height is 2.2 metres.
5. The quantities of chemical waste estimated to be generated are 20 litres per month. And, the household waste estimated to be generated are 5 kgs per day.
6. For the attraction of traffic to site, it is estimated to be 10 vehicles per day.

Please note for your information and let us know if you have further comments to the above.

Best Regards,

Patrick Choi.

附頁七

工程建築期資料(中力顧問有限公司提供)

中力顧問有限公司
Sinopower Consultants Ltd.

To : Westwood Hong & Associates Ltd.
Attn: Mr. Westwood Hong
c.c. : Angela

Fax: 2591 6189

Date: Apr 2, 2002

Dear Sir,

Kart Motor Track at Lok On Pai,
Area 59, Tuen Mun

We are pleased to inform you the building process of the subject site:

<u>Item</u>	<u>Duration</u>
1. Outlying fence:	takes 2 days
2. Cleaning of waste	takes 2 days
3. Positioning of the tyres for the track 5.5 ton truck was used for unloading the tyres.	takes 3 days
4. Build the bitumen on the track workers used compactor in this process	takes 3 days,
5. Pedestrian bridge	takes 3 days

(Note: Item 1, 2, 3 are going to take place simultaneously)

Please note and let us know if you have any query.

Best Rgds,
Tommy Ho

附頁八
空氣影響評估

空氣影響評估

採用方法

- 1) 用 CALINE4 程式預計高卡車的排放對空氣的影響。此測試模式同時被美國加州運輸部所採用。使用程式是 Gaussian diffusion 及採用混合區概念。
- 2) 根據約兩分鐘走一圈，賽道同時容納十部高卡車計算，賽道的流量估計是每小時三百部卡車。
- 3) 用電腦繪出高卡車場由高卡車排放的全圖(見圖 A8-1)。
- 4) 按 CALINE4 軟件供應商, (Trinity Consultants Inc) 計算方式是把一小時最高濃度乘 0.4 來估計二十四小時的平均濃度。這計算方法已被美國有關當局接納。
- 5) 計算一小時二氧化氮的平均濃度是更嚴格標準。預計一小時二氧化氮及二十四小時懸浮粒子包括背景濃度是採用黃金軟件, (Golden Software)用氣象圖表達。

背景濃度

- 6) 按 2002 年，香港荃灣區的空氣質數，二氧化氮，懸浮粒子的背景濃度如列表 A8-1。

	原素	
	NO ₂	RSP
背景濃度 (每立方微克)	61	50

(列表 A8-1 二氧化氮，懸浮粒子的背景濃度)

空氣釋放功率

- 7) 高卡車釋放出空氣的原素計有二氧化氮，懸浮粒子。排放程度用 2002 年環保車隊車輛平均排放率計算。即每部車每公里排放出的二氧化氮和懸浮粒子分別是 1.68 和 0.05 克。
- 8) CALINE4 的標準
CALINE4 的標準可見於 列表 A8-2。這標準已包括最差天氣數據

CALINE4 採用標準	值計
風速	1m/s
穩定級別	D
周圍的溫度	25 degree C
混合高度	500m
風向標準偏差	12 degree
空氣概略係數	100cm
污染物沉降速度	0 cm/s
污染物沉澱速度	0 cm/s

列表 A8-2 CALINE4 程式採用標準

結果分析

- 9) 二氧化氮被認定為一靜態氣體. 預計百分之二十氧化氮才有二氧化氮的濃度

預計粒子濃度

- 10) 預測結果見於列表 A8-3 及見於圖 A8-2 及 A8-3. 預測結果顯示由高卡車引起的空氣污染濃度對鄰近最強接受者是合符香港質數標準(HKAQO)
CALINE 程式數字見於附頁 8.1.

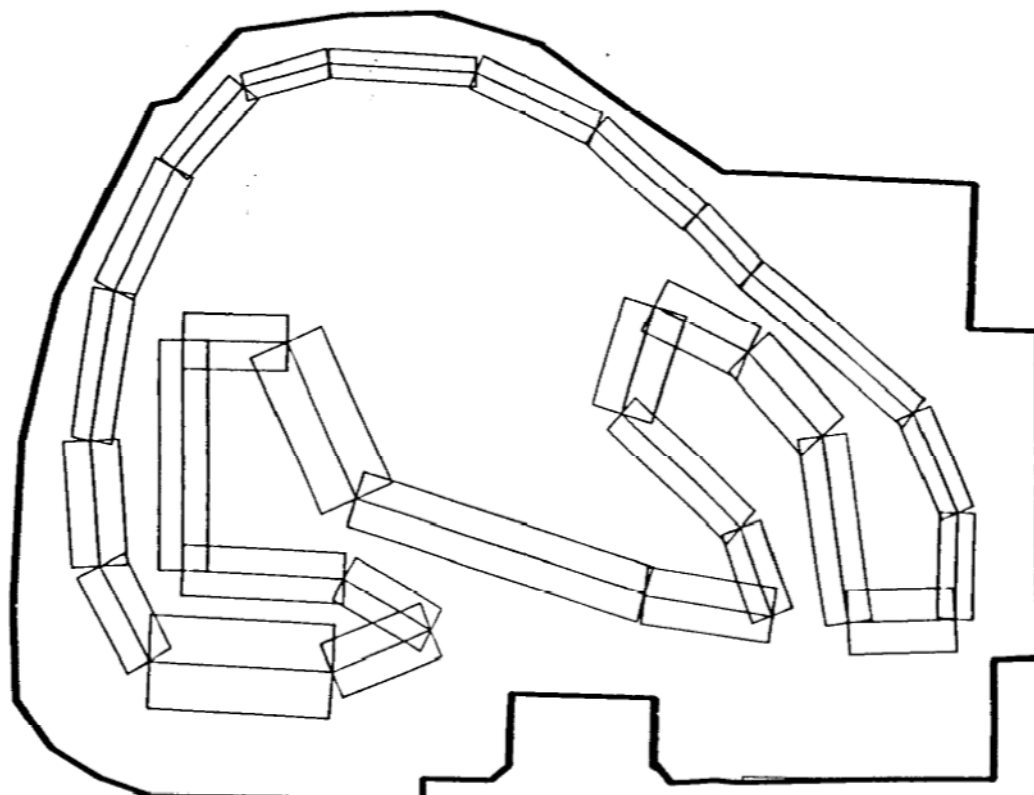
空氣原素	預測最高污染濃度 每立方微克 (ug/m3)	香港空氣質數限制 每立方微克 (ug/m3)
1 小時二氧化氮	78*	300
24 小時懸浮粒子	51**	180

列表 A8-3 預測該車場最高污染濃度

備註:

*預測濃度包括背景濃度 61ug/m3

**預測濃度包括背景濃度 50ug/m3



Legend

— Site location

Westwood Hong & Associates Ltd

PROJECT : 21564

Karting Track at Tuen Mun

TITLE :

車場空氣影響電腦圖
(Air impact assessment)

FIGURE

A8-1