	Appendix I
□Urgent □Return receipt [☐Expand Group ☐Restricted ☐Prevent Copy ☐Cormuential
Jenny So Man CHAN/PLANE	
寄件者: 寄件日期: 收件者: 副本: 主旨: 附件:	Hey Hey <info@heyhey.ltd> 2024年04月08日星期一 17:13 CC CHANG/EPD Jeffrey Po Kit WONG/PLAND; Jenny So Man CHAN/PLAND; info@heyhey.ltd RE: A/NE-KLH/640_EPD comments_Additional info 車流量估算.pdf; Info about our team: Proposed Short Term Tenancy (No. TP0092) at Ex-Wai Tau School</info@heyhey.ltd>
類別:	Internet Email
Dear Ms. Maureen CHANG (El Additional info: 車流量估算 Our working team to Proposed	PD), d Short Term Tenancy (No. TP0092)
EPD: Dr. CHEUNG Chin Wa, Su EEB: Dr. LEUNG Kai Ming, Kenr	23 about this RR project included: nny, Asst Dir(Env Compliance) neth, Prin AS for Env & Ecology (Air Policy) s, Sr Env Protection Offr(Air Policy)3
Should you have query, you ar Thanks	re welcome to call my mobile to discuss.
Regards,	

Derek Ng

Hey Hey Firm Limited

Unit 1, 12/F, Block B, Fuk Keung Industrial Bldg.,

66 Tong Mi Road, Mongkok, Kowloon

T: 2776 3128 F: 2511 0091

From: Hey Hey [mailto:info@heyhey.ltd] Sent: Monday, April 8, 2024 4:56 PM

To: ccchang@epd.gov.hk

Cc: 'Shing Fung CHAIR/PLAND'; 'Jeffrey Po Kit WONG/PLAND'; 'Jenny So Man CHAN/PLAND'; info@heyhey.ltd

Subject: RE: A/NE-KLH/640_EPD comments

Importance: High

Dear Ms. Maureen CHANG (EPD),

I refer to our telephone conversation on last Friday, 5 April 2024, my responses are as below:

Air Quality

□Urgent	□Return receipt	□Expand Group	□Restricted	□Prevent Copy	□Confidential
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(i) Please provide the details of the gaseous and odour emissions from the reclamation process for our further review.

Ans: For the gaseous and odour emissions, please refer attached Our Process complies American Standards or China Standards

(ii) Please provide the data of the induced traffic e.g. no. of vehicles/ day for our further review. Ans: For the data of the induced traffic, please refer attached 車流量估算.

Notes:

- 1. Our meeting with EEB & EPD meeting in 2023, senior officers requested the plant should be allowed for future expansible, if the quantity of Reclaimed Refrigerant (RR) would increase in future market.
- 2. Any increase of building structure or car space within site boundary in future, a new planning application from occupant to Town Planning Board is required.

Non-fuel gas dangerous good risk

(iii) Please provide the details of the whole reclamation process for our further review.

Ans: For the details of the whole reclamation process, please refer attached The operation and maintenance of the proposed Refrigerants Reclamation Plant.

(iv) Please provide the names, the storage inventories and locations of all the hazardous materials onsite.

Ans: Names are HCF gases, at the moment is R134a as per the request of EEB and EMSD. They will be stored in DG Stores on-site.

Note: Our next meeting with EMSD about this RR project is scheduled on 25 April 2024.

(v) Please discuss whether there are any mitigation measures for the leakage of flammable and/ or toxic materials.

Ans: Refer to American Standards: AHRI700, there is no flammable and/ or toxic materials to be leaked in the process. Nevertheless, a reference of other project of EIA_Siu Ho Wan Construction Site is attached.

(vi) Please check whether there is any fuel gas to be stored on-site e.g. LPG and seek EMSD's view from fuel gas risk perspective.

Ans: No fuel gas to be stored on-site.

Road Traffic Noise / Fixed Noise

(vii) Please provide the relevant details to address the potential road traffic noise impact due to the induced traffic during the operation of the Site.

Ans: According to attached 車流量估算, the traffic flow is relatively small and road traffic noise impact will not be caused.

(viii) The applicant should also elaborate the process of refrigerant reclamation such as the machinery involved, operating hours, whether such process is carried out indoor and any noise mitigation measures to address the potential operation noise from the refrigerant reclamation process.

Ans: For details, please refer attached The operation and maintenance of the proposed Refrigerants Reclamation Plant.

(ix) Please note the noise emanating from the operation of the Site is controlled under the NCO and the applicant is reminded to ensure the compliance of the requirements under the NCO.

Ans: Noted.

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(x) The environmental assessment shall also cover water quality, waste, land contamination an

(x) The environmental assessment shall also cover water quality, waste, land contamination and sewerage aspect of the proposed development.

Ans: Noted.

Regards,
Derek Ng
Hey Hey Firm Limited
Unit 1, 12/F, Block B, Fuk Keung Industrial Bldg.,
66 Tong Mi Road, Mongkok, Kowloon
T: 2776 3128 F: 2511 0091

From: Jenny So Man CHAN/PLAND [mailto:jsmchan@pland.gov.hk]

Sent: Friday, April 5, 2024 10:52 AM

To: info@heyhey.ltd

Cc: ; Jeffrey Po Kit WONG/PLAND

Subject: A/NE-KLH/640 Importance: High

Dear Mr. Ng,

I tried to call but in vain and left a message to your secretary. Grateful if you can call me back regarding those documents you shared with Mr. Wong previously. Besides, please find the comments from Environmental Protection Department for consideration.

Comments from EPD (Contact Person: Ms. Maureen CHANG at 2835 1867)

We consider the proposed use would likely generate environmental impacts to the surrounds. Hence, an environmental assessment including the following information to confirm the environmental acceptability of the proposed use shall be provided to support the subject planning application.

Air Quality

- (i) Please provide the details of the gaseous and odour emissions from the reclamation process for our further review.
- (ii) Please provide the data of the induced traffic e.g. no. of vehicles/ day for our further review.

Non-fuel gas dangerous good risk

- (iii) Please provide the details of the whole reclamation process for our further review.
- (iv) Please provide the names, the storage inventories and locations of all the hazardous materials onsite.
- (v) Please discuss whether there are any mitigation measures for the leakage of flammable and/ or toxic materials.
- (vi) Please check whether there is any fuel gas to be stored on-site e.g. LPG and seek EMSD's view from fuel gas risk perspective.

Road Traffic Noise / Fixed Noise

(vii) Please provide the relevant details to address the potential road traffic noise impact due to the induced traffic during the operation of the Site.

(viii)	The applicant should also elaborate the process of refrigerant reclamation such as the machinery
involv	ved, operating hours, whether such process is carried out indoor and any noise mitigation measures
to add	dress the potential operation noise from the refrigerant reclamation process.

□Urgent □Return receipt □Expand Group □Restricted □Prevent Copy □Confidential

- (ix) Please note the noise emanating from the operation of the Site is controlled under the NCO and the applicant is reminded to ensure the compliance of the requirements under the NCO.
- (x) The environmental assessment shall also cover water quality, waste, land contamination and sewerage aspect of the proposed development.

If you wish to provide further information to address the departmental comments, please make reference to relevant town planning board guideline i.e. TPB PG-No. 32B.

Best regards,
Jenny CHAN
TP/TP6
Sha Tin, Tai Po and North District Planning Office
Planning Department
Tel. 2015

Tel: 2158 6235



The operation and maintenance of the proposed Refrigerants Reclamation Plant.

By Hey Hey Firm Limited

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1. Background

Under the Montreal Protocol, refrigerants containing Ozone Depleting Substances such as HCFCs and CFCs have been banned from import in Hong Kong since 2020. Nowadays, the most commonly used alternative HFCs like R-410A and R-134A which are free of HCFCs and do not harm the ozone layer. However, there refrigerants are known to have high global warming potential (GWP) and cause global warming. In June 2021, China officially ratified the Kigali Amendment to the Montreal Protocol. According to the Kigali Amendment, Hong Kong must establish and implement an import and export licensing control system for HFCs and import quota control to progressively reduce the use of HFCs by 85 per cent from the baseline level by 2036. With limited import of HFCs, reclamation of used refrigerants seems to be one of the solution to deal with the high demand.

Environment and Ecology Bureau (EEB) carried our a Regulate and Phase Down Hydrofluorocarbons (HFCs) Public Consultation on 19 July 2023.



Hey Hey Firm Limited has been following the Policy of EEB on Regulate and Phase Down HFCs and is applying a governmental vacent land to establish a proposed Refrigerants Reclamation Plant for the implementation on such policy.

受限制設備

Restricted Equipment

	-	生效	日期
受限制設備的類 別	上限	禁止撤口減生產	禁止出售、供應、 要的出售或要的 供應
室內冷氣機(分體 式或窗口式、顯定 製冷量小於7.5千 頁)	750	2025年1月1日	2026年1月1日
家用雪櫃·來櫃及 写櫃與凍櫃組合	150	2025年1月1日	2026年1月1日
商用冷凍設個 - 獨立系統	150	2025年1月1日	2026年1月1日
商用冷凍設備 -	1500	2025年1月1日	2026年1月1日
冷凝機组	150	2028年1月1日	2028年1月1日
西周冷凍設街 -	1500	2025年1月1日	2026年1月1日
超級市場系統	150	2028年1月1日	2028年1月1日
NAME OF TAXABLE PARTY.	1500	2025年1月1日	2026年1月1日
冷凍倉庫系統	150	2028年1月1日	2028年1月1日
風冷式冷水機	750	2025年1月1日	2026年1月1日
水冷式冷水機	150	2025年1月1日	2026年1月1日
私家車的汽車空 調機 (私家車根據(頭 路交通條例)(第 374章)的定義)	150	生康年的 2027年	
美火系统	15	2025年1月1日	2026年1月1日

		Effect	Ive date
Category of Restricted Equipment	GWP Limit	Prohibition of Import or manufacture	Prohibition of sale, supply, offer for sale or offer for supply
Room air-conditioner (split type or window type, with rated cooling capacity < 7.5kW)	750	1 Jan 2025	1 Jan 2026
Household refrigerator, freezer and refrigerator combined with freezer	150	1 Jan 2025	1 Jan 2026
Commercial refrigeration - stand-alone system	150	1 Jan 2025	1 Jan 2026
Commercial refrigeration -	1500	1 Jan 2025	1 Jan 2026
condensing unit	150	1 Jan 2028	1 Jan 2028
Commercial refrigeration -	1500	1 Jan 2025	1 Jan 2026
supermarket system	150	1 Jan 2028	1 Jan 2028
Cold storage warehouse system	1500	1 Jan 2025	1 Jan 2026
Cota storage warehouse system	150	1 Jan 2028	1 Jan 2028
Air-cooled chiller	750	1 Jan 2025	1 Jan 2026
Water-cooled chiller	150	1 Jan 2025	1 Jan 2026
Motor vehicle air-conditioning - private car (as defined in the Road Traffic Ordinance, Cap 374)	150	Manufacture year 2027	Manufacture year 2027
Fire suppression system	15	1 Jan 2025	1 Jan 2026

In Public Consultation, EEB proposed the timetable for execution of HCFs' policy as below: Prohibition of import or manufacture: Effective date is 1 Jan 2025 Prohibition of sale, supply, off for sale or offer for supply: Effective date is 1 Jan 2026

According to the proposal announced by EEB in public consultation. EMSD has taken action and sent an email for the preparation of tender to us, Hey Hey regarding our compliance list on reclaimed refrigerant R134a.

Dear Derek,

Further to preceding emails, please find the draft technical specification of reclaimed refrigerant R134a as attached for your information. Grateful if you could provide the (1) compliance list of the draft specification with counter-proposal for non-compliance item(s), and 2) indicative price for our consideration on or before 15 January 2024.

Many thanks.

Regards, FUNG Lai-shan, Joanna Engineer/Gas Standards B4/2 Electrical and Mechanical Services Department Tel: 2808 3836 Fax: 2576 5945

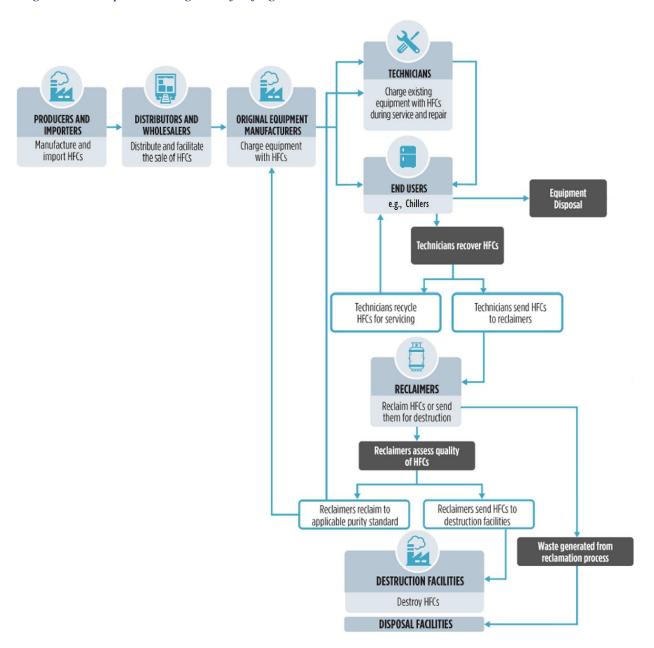


2. Operation logistics

The idea of reclamation and reuse of refrigerant would not succeed without comprehensive supporting services including the collection of used refrigerant and retail sale. The whole logistic is illustrated as below in Figure 1. Maintenance work is keeping the equipment operating safely and efficiently.

- Step 1: On-site collecting and transporting the used refrigerant to the plant
- Step 2: Purification and reclamation of used refrigerant
- Step 3: Testing and certification of reclaimed refrigerant

Figure 1.The operation logistic of refrigerant reclamation business



2.1 Step 1: On-site collecting and transporting the used refrigerant to the plant

The liquid state and vapor state refrigerant in the recovered unit is directly sucked by the compressor of Refrigerant Recovery Station. During the discharging process, it will go through the condenser of Refrigerant Recovery Station and then filled into the cylinder for storage.

System flow diagram as below: Figure 2. Refrigerant recycle system

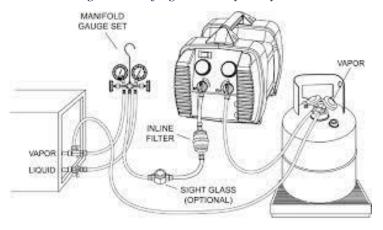


Figure 3. Application of refrigerant recycle system on chillers



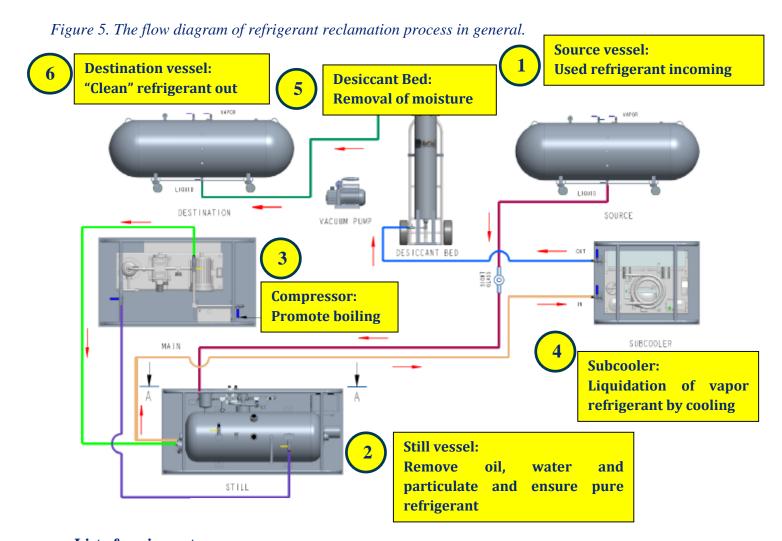
Figure 4. Application of refrigerant recycle system on vehicles



2.2 Step 2: Purification and reclamation of used refrigerant

On-site collecting used refrigerant would then transport to Refrigerant Reclamation Plant.

To restore the used refrigerant to AHRI Standards (American National Standards) or GB Standards (China National Standards), it must pass through a series of reclamation process. The general principle of the reclamation process is illustrated in Figure 5 below.



List of equipment:

- Equipment 1 Source vessel
 This vessel contains and supplies used refrigerant to the still vessel.
- Equipment 2 Still vessel
 The still vessel holds the refrigerant as they are heated via the heat exchanger in the bottom of the still vessel. During the process, the oil-less vapors will be pulled away by the compressor.
- Equipment 3 Compressor
 The oil-less vapors will be compressed and go directly to the heat exchanger for boiling.
- Equipment 4 Sub-cooler
 The refrigerant from the still vessel will travel to the sub-cooler to be further cooled to liquid state.

- Equipment 5 Desiccant bed
 The refrigerant will pass through the desiccant and moisture will be removed.
- Equipment 6 Destination vessel
 The clean refrigerant will be collected in destination vessel. The size of the vessel can vary depending on the demand.

2.3 Selected sample equipment for purification and reclamation of used refrigerant RefTec International Systems, LLC is a USA equipment manufacturer. Its products complied with AHRI 700 standard, named "Bull Dog System". Quotation is shown in Appendix C - RefTec quote: Reclaimed refrigerant equipment prices.



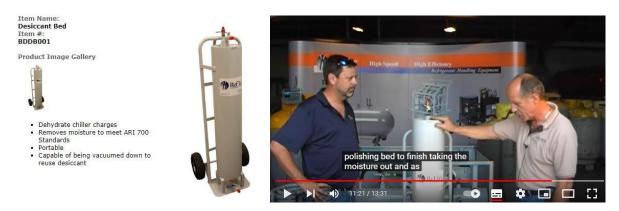
Equipment 2– Still vessel and Equipment 3 – Compressor. Model: Bull Dog 460v 15Hp 8"-5" SS Vessel w/ D391 Corken Compressor w/ 3/4" connections, as below.



Equipment 4 – Sub-cooler. Model: Large Bull Dog Sub Cooler 208/230V 1ph-5 Tons, as below.



Equipment 5 – Desiccant bed, Model: Desiccant Bed 3/4" Connections w/ Flange Top, as below.



Equipment 5a – Vacuum Pump. Model: Mini Purge 240 Volt, as below.



RefTec International Systems, LLC is a USA equipment manufacturer does not have the product of large size of Refrigerant Storage Tank. We have sourced a tank manufacture named WOBO Industrial Group Corp. and its product "ISO Tank" is compatible with Bull Dog System after getting the confirmation from RefTec International Systems.

Equipment 1 –Source vessel and Equipment 6 – Destination vessel, Model: ISO Tank; Type: T50 High Pressure Tank for Refrigerant. Ranged size of tank are from 1000L (1 Ton) to 300000L (300 Tons), as below.



2.3 Step 3: Testing and certification of reclaimed refrigerant

Certifying all reclaimed refrigerants after processing are costly and not feasible. Sample of reclaimed refrigerant to be tested are common practice in USA and European countries. Sample achieving any of below standards is considered to be passed the level of clean quality of reclaimed refrigerant.

- AHRI standard 700 (Practicing in USA)
- Eurovent Certita Certification Standard (Practicing in European countries)
- Relevant reclaiming refrigerant standard in Mainland China.

AHRI 700 Specifications

The table below summarizes the maximum allowable levels of contaminants for the common refrigerants.

Table 2. Maximum allowable levels of various contaminants as stipulated in AHRI 700 standard

	Reporting Units	R-22	R-134a	R410-a
Characteristics				
Refrigerant components	N/A	-	-	R-32/125
Nominal composition	% by weight	-	-	50.0/50.0
Allowable composition	% by weight	-	-	48.5-50.5/ 49.5-51.5
Bubble point	℃ @ 101.3 kPa	-	-	-51.4
Dew point	℃ @ 101.3 kPa	-	-	-51.4
Boiling point	°C at 101.3 kPa	-40.8	-26.1	-
Boiling point range	K	±0.3	±0.3	-
Critical temperature	°C	96.2	101.1	71.4
Isomer content Isomer	% by weight	-	0-0.5 R-134	-
Vapor Phase Contain	minates:			
Air and other non- condensable, (max.)	% by weight at 25.0 °C	1.5	1.5	1.5
Liquid Phase Conta	minates:			
Water, (max.)	ppm by weight	10	10	10
All other volatile impurities, (max.)	% by weight	0.5	0.5	0.5
High boiling residue, (max.)	% by volume	0.01	0.01	0.01
Particulates/solids	Pass / Fail	Visually clean	Visually clean	Visually clean
Acidity (max.)	Ppm by weight (as HCl)	1	1	1
Chloride	Pass / Fail	No visible turbidity	No visible turbidity	No visible turbidity

3. Storage and Wholesaling Types of HFC refrigerants

There are no reclaimed refrigerant gases selling in Hong Kong nowadays. Retailers only sell new gases or named virgin gases. Common HFCs include: R-22, R-134A, R-407C, R-404A & R-600A.

R-134A and R-410A are the most common HFC refrigerants adopted for Chillers and large cooling capabilities equipment.

Proposed Storage and Wholesaling Sizes of HFC refrigerant gases cylinder include:

6.2lbs, 7.2lbs, 22lbs, 25lbs, 30lbs, 50lbs.

Figure 5. Storage and wholsaing HFC refrigerant gases cylinder in A-Gas, a Refrigerants Reclamation Plant in UK



	Table 3. Standard Contaminated Refrigerant Samples⁴															
Contaminants		Refrigerant Type														
Contaminants	R-11	R-12	R-13	R-22	R-23	R-113	R-114	R-123	R-124	R-134a	R-500	R-502	R-503	R-401A	R-401B	R-402A
Moisture Content: ppm by Weight of Pure Refrigerant	100	80	30	200	30	100	85	200	200	200	200	200	30	200	200	200
Particulate Content: ppm by Weight of Pure Refrigerant ¹	80	80	N/A	80	N/A	80	80	80	80	80	80	80	N/A	80	80	80
Acid Content: ppm by Weight of Pure Refrigerant ²	100	200	N/A	100	N/A	100	100	100	100	100	200	100	N/A	100	100	100
Oil (HBR) Content: % by Weight of Pure Refrigerant	20	5	N/A	5	N/A	20	20	20	5	5	5	5	N/A	5	5	5
Viscosity/Type ³	300/MO	150/MO	N/A	300/MO	N/A	300/MO	300/MO	300/MO	150/MO	150/MO	150/MO	150/MO	N/A	150/AB	150/AB	150/AB
Non-Condensable Gases (Air Content): % by Volume	N/A	3	3	3	3	N/A	3	N/A	3	3	3	3	3	3	3	3

Notes:

- 1. Particulate content shall consist of inert materials and shall comply with particulate requirements in Appendix D.
- 2. Acid consists of 60% oleic acid and 40% hydrochloric acid on a total number basis.
- 3. POE = Polyoester, AB = Alkylbenzene, MO = Mineral Oil.
- 4. N/A means not applicable

1%=10,000 ppm

Our product is R-134a If Reclaimed Refrigerant回收雪種=1000g

Moisture 水分 = 20g Particulate 顆粒物 = 8g

Acid 酸 = 10g

Oil 油 = 50g

Non-Condensable Gases不凝性氣體 = 30g

Contaminated amounts are very small.
Contaminated items are not poisoned!
(Moisture, particulate, acid, oil and non-condensable gases)

Appendix 9.1 Implementation Schedule of Mitigation Measures Recommended in HAZOP Study

The following mitigation measures were identified during the HAZOP Study. These mitigation measures are generally safety measures and would not be included in the Environmental Monitoring and Audit Manual. It is recommended to include the following measures into the contractual document to ensure their implementation.

Table A9.1 Mitigation Measures Recommended to Avoid Occurrence of Hazardous Scenarios Related to Chlorine

EIA	Environmental Protection Measures	Location / Timing	Implementation Agent	Implementation Stages *			Relevant Legislation &
Ref [#]	The state of the s		implementation rigent	D	C	o	Guidelines
Construc	ction Phase	-		.=	<u>-</u>	-	•
S9.5.1	Monitoring and Inspection Monitor the excavation activity to avoid excavation to the wrong depth (too much excavation) Conduct monitoring to ensure the stability of building during construction phase Inspection and supervision to ensure operation of equipment properly Inspection of excavation progress near Chlorine Building and Chemical Storage Building	Inside Siu Ho Wan WTW/ hroughout construction stage	 Contractor Contractor Safety Officer (Contractor)/ Contractor Safety Officer (Contractor)/ Contractor 		٨		EIAO-TM F&IUO DGO
S9.5.1	Management Ensure good C&D waste management Provide on-site sorting of debris to avoid excessive debris accumulation Provide temporary storage for debris at appropriate location Ensure flammable waste is stored at appropriate/designated location	Inside Siu Ho Wan WTW/ hroughout construction stage	ContractorContractorContractorContractor		٨		EIAO-TM F&IUO DGO

EIA	Environmental Protection Measures	Location / Timing	Implementation Agent	Imp	olementa Stages		Relevant Legislation &
Ref [#]	Environmental Protection Measures	Location / Timing	Implementation Agent	D	C	О	Guidelines
S9.5.1	Traffic Management						
and	Maintain access roads as a freeway		Contractor				
S9.5.6	Provide sufficient maintenance of the		Contractor				
	vehicle/generator/equipment						
	Set a speed limit for site vehicle		Contractor				
	Propose a designated route for site vehicles,		Contractor				
	avoid site vehicle using travelling route of the						
	Chlorine Delivery Truck						
	Provide adequate fire fighting equipment at		Contractor				
	the storage area						
	Provide clear road signs for site vehicles		Contractor				
	Install hump on the access roads to reduce		Contractor				
	the speed of site vehicles						
	Provide crash barrier to protect the Chlorine		Contractor				
	Building and the Chemical Storage Building						
	No parking on access road, or proper parking		WSD/ Contractor				
	area designated for dump trucks						
	Chemicals/material Management						
	Ensure good management of material		Contractor				
	delivery to avoid excessive material stock on						
	site						
	Avoid incompatible chemicals storing		Contractor				
	together; provide separate storage locations						
	for different chemicals which are						
	incompatible to each other						
	Provide appropriate labels according to		Contractor				
	Dangerous Goods Ordinance						
	Follow Fire Services Department's		Contractor				
	requirement for flammable waste storage						
	Keep the amount of flammable waste stored		Contractor				
	at a minimum level						
	Ensure adequate separation distance between		Contractor				
	each flammable material storage area						
	No stockpile of material near the Chlorine		Contractor				
	Building and the access road is allowed						

EIA #	Environmental Protection Measures	Location / Timing	Implementation Agent		olementa Stages *		Relevant Legislation &
Ref [#]	Environmental Protection vicasures	Location, Timing			C	o	Guidelines
S9.5.1	Follow the requirements stipulated in Dangerous Goods Ordinance and its subsidiary regulations for the storage, conveyance and use of potassium permanganate, nitrogen and other substances giving inflammable vapour during the construction stage		Contractor Contractor				
	Follow EPD's requirement for the storage and conveyance of chemical waste Construction Activity/personnel Management		• Contractor				
	Personnel Ensure sufficient guarding at Siu Ho Wan		WSD/ Contractor				
	WTW to provide sufficient access control Provide clear indication of rooms accommodating chlorine-related facilities and their hazards		WSD/ Contractor				
	Activity Propose a communication system between operator of Siu Ho Wan WTW and the Contractor on the date of chlorine delivery to		WSD/ Contractor				
	the WTW Prepare a safety plan to avoid any electricity supply facilities located inside/adjacent to the		Contractor				
	Chlorine Building Propose a "Permit-to-move" system for large equipment/plant movement: • Contractor provides WSD a list indicating the number and type of equipment/plant to be mobilized, equipment/plant movement route and		WSD/Safety Officer (Contractor)/ Contractor				
	 mobilization methodology A risk assessment is conducted by Safety Officer (Contractor) No equipment/plant movement should be allowed before approval from 						

EIA.	Environmental Protection Measures	Location / Timing	Implementation Agent	Implementation Stages *			Relevant Legislation &
Ref [#]			Implementation rigent	D	C	0	Guidelines
S9.5.1	WSD/Safety Officer is obtained						
	 The "Permit" shall restrict the time 						
	period that equipment/plant can be mobilized						
	 Supervision of permitted work by 						
	Safety Representatives from Contractor						
	•		WSD/ Safety				
	Follow WSD's "Permit-to-work" System for		Representative				
	extended chlorine pipework connection		(Contractor)/ Contractor				
	 No connection work can commence 						
	before approval from WSD is obtained						
	 Supervision of permitted works by the 						
	Contractor's Safety Representative		Contractor				
	No blasting operation on site is allowed		Contractor				
	Define restricted zone for the equipment (i.e.						
	keep the equipment from the Chlorine						
	Building at a safe distance). The extent of						
	the restricted zone would be determined by						
	the size of the equipment		Contractor				
	Restrict excavation along travelling route of						
	the Chlorine Delivery Truck		Contractor				
	Limit the reach of the tower crane used		Contractor				
	Provide indication/sign for chlorine						
	pipeworks		Contractor				
	Ensure generators are placed at a safe						
	distance from Chlorine Building		Contractor				
	Provide method statement with protective						
	measures for the chlorine dosing pipeworks						
	(and other facilities)		Contractor				
	Avoid welding operation inside buildings						
	installed with chlorine pipeworks		WSD/ Safety				
	If welding is unavoidable, "Hot-work permit"		Representative				
	system should be applied for welding		(Contractor)/ Contractor				
	operation inside buildings installed with						
	chlorine pipeworks:						
	 No welding work is allowed before 						
	approval from WSD is obtained						

EIA	Environmental Protection Measures Location / Timing Implementation Agent		nplementation Stages *		Relevant Legislation &		
Ref [#]		Location / Timing	implementation rigent	D	C	o	Guidelines
	Provide supervision to the operations inside buildings installed with chlorine pipeworks by the Safety Representative from Contractor						
	Avoid plantation of deep root trees near buildings, especially Chlorine Building Trim any vegetation near the chlorine building or work site prevent the spread of fire		ContractorContractor				
S9.5.1	Investigation				V		EIAO-TM
	Investigate the lateral support of buildings/excavation to ensure proposed extent of excavation would not affect building stability Locate chlorine pipeworks before execute excavation	Inside Siu Ho Wan WTW/ throughout construction stage	Engineer/ ContractorContractor				
S9.5.1	Provide adequate training to equipment operator; implement a license system that only competent persons could operate the equipment Provide adequate training to construction workers on the rooms accommodating chlorine-related facilities and their associated hazards Provide adequate training to construction workers on the nature and hazards of chlorine, safety precautions and emergency measures for leakage of chlorine from cylinders, piping or installations.	Inside Siu Ho Wan WTW/ hroughout construction stage	ContractorContractorContractor		1		EIAO-TM F&IUO OSHO DGO

Operatio	n Phase				
N/A	N/A	N/A	N/A		N/A

All recommendations and requirements resulted during the course of EIA / EA Process, including ACE and / or accepted public comment to the proposed Project. D = Design, C = Construction and O = Operation

Not applicable

N/A

Table A9.2 Other Appropriate Measures Recommended to be Implemented During Construction Stage

EIA Ref [#]	Environmental Protection Measures	Location / Timing	Implementation Agent	Implementation Stages *			Relevant Legislation &
			F	D	C	o	Guidelines
Construc	ction Phase			<u> </u>		-	
S9.5.5	Traffic Management				V		EIAO-TM
	Maintain all access roads of fire engine/FSD vehicles/ambulance as a freeway No equipment/plants and site vehicle is allowed to park on the access roads	Inside Siu Ho Wan WTW/ hroughout construction stage	ContractorContractor				
S9.5.5	 False Alarm Preventive Measures Provide dust suppression measures such as covering the dusty material Implement 'Hot -work Permit' system and provide sufficient ventilation during welding operation to avoid accumulation of smoke Place the generators away from the chlorine leak/smoke detector alarms Park the construction equipment and vehicles away from the Chlorine Building Notify WSD prior to the use of chemical compounds and provide sufficient ventilation during operation involving chemicals 	Inside Siu Ho Wan WTW/ hroughout construction stage	 Contractor Contractor Contractor Contractor Contractor 		٨		EIAO-TM F&IUO DGO

EIA	Environmental Protection Measures	Location / Timing	Implementation Agent		Implementation Stages *		Relevant Legislation &
Ref [#]					C	o	Guidelines
S9.5.5 and S9.5.6	Provide a system for logging in-out record of all site staff, which could assist immediate investigation and rescue in a chlorine leak incident when required Ensure construction workers be familiar with chlorine alarm system (e.g. proper training) Propose construction workers to participate regular joint chlorine leak drill arranged by WSD, and inform local fire stations in advance Propose alternative assembly point(s) for construction workers in case of chlorine leakage event	Inside Siu Ho Wan WTW/ hroughout construction stage	ContractorContractorContractorContractor		V		EIAO-TM F&IUO
S9.5.6	Provide sufficient number of fire extinguishers Provide copies of the safety and emergency plans to local fire stations for information Brief local fire stations for the implementation of safety and emergency plans	Inside Siu Ho Wan WTW/ hroughout construction stage	ContractorContractorWSD/ Contractor		V		EIAO-TM F&IUO

Proposed use:

Proposed temporary dangerous goods godown and industrial use By Hey Hey Firm Limited

	車位數量	每車位每日預計流 量	每日預計各款車總流量
汽車	4	2	8
中型貨車	8	2	16
			每日預計總車流量
			24

工程及有關顧問公司遴選委員會 (EACSB)

: (852) 2762 5173

: (852) 2762 8531

本函檔號: (59) in EACSB 2/6/2 RC

來承檔號:

威豪設計顧問有限公司 香港九龍旺角塘尾道 66 號 福強工業大廈 B 座 12 樓 1 室

(經辦人:吳達豪先生)

香港特別行政區政府認可名冊證明

現證明威豪設計顧問有限公司已列入《工程及有關顧問公司遴選委員 會顧問公司名單》,詳情如下:

類別	組別	公司名稱代號
基建及發展	第一組	EAC0105 (CE)
機電	第一組	EAC0105 (EM)
環境	第一組	EAC0105 (EP)
水務	第一組	EAC0105 (WS)

本秘書處會根據最新資料適時更新《工程及有關顧問公司遴選委員會 顧問公司名單》, 有關名單的最新版本可參閱以下網址: https://www.cedd.gov.hk/tc/publications/eacsb-handbook/index.html

> 香港特別行政區政府 工程及有關顧問公司遴選委員會秘書

香港九龍公主道 101 號

土木工程拓展署大樓 16 樓



副本送: 發展局 (總助理秘書長(工務)7)

副本存: EACSB 1/4/491 RC

二零二一年八月二十四日