

ANNEX 6F – SITE WALKOVER CHECKLIST
Sha Tau Kok Sewage Treatment Works

General Site Details:

Site Owner: Drainage Services Department

Property Address: Area 10, Sha Tau Kok Road, Sha Tau Kok, N.T.

Person Conducting the Questionnaire:

Name: Manuel Chua

Position: Senior Environmental Scientist

Authorized Owner/Client Representative (If Applicable)

Name:	Kennis Chan	Ip Tin Lok	Ip Wai Leung
Position:	EME/ST1	MI/NNT	WSII/SWH
Telephone:	2891 6150	-	-

Site Activities

Number of employees:	Full-time:	3 (0830-1730 hours) (staff will be deployed from Shek Wu Hui Sewage Treatment Works (SWHSTW) when required after office hours)
	Part-time:	Nil
	Temporary / Seasonal:	Nil
Maximum no. of people on site at any time:		3
Typical hours of operation:		24 hours
Number of shifts:		3
Days per week:		7 days
Weeks per year:		All days throughout the year
Scheduled plant shut-down:		Nil
Detail the main sources of energy at the site:		
	Gas	No
	Electricity	Yes
	Coal	No
	Oil	No
	Other	No

Site Description

What is the total site area:	~5000m ²
What area of the site is covered by buildings (%):	10-15%
Please list all current and previous owners/occupiers if possible.	Drainage Services Department
Is a site plan available?	Yes
Are there any other parties on site as tenants or sub-tenants?	No
If yes, identify those parties:	-
Description surround land use (residential, industrial, rural, etc.) and identify neighbouring facilities and types of industry.	
North:	Sha Tau Kok Police Operation Base
South:	Sha Tau Kok Hoi
East:	Sha Tau Kok Recreational Ground (inside Closed Area)
West:	Sha Tau Kok Hoi, Mangroves Area

Describe the topography of the area (flat terrain, rolling hills, mountains, by a large body of water, vegetation, etc.)

Flat terrain, Sha Tau Kok Hoi on its west and south directions.

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State the size and location of the nearest residential communities.

Sha Tau Kok Chuen approximately 155m east of the site, village houses of Ha Tam Shui Hang approximately 110m north of the site.

Are there any sensitive habitats nearby, such as nature reserves, parks, wetlands or site of special scientific interest?

Mangroves and mudflats can be found at Sha Tau Kok Hoi near the site.

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Questionnaire with Existing / Previous Site Owner or Occupier

		Yes/No	Notes
1.	What are the main activities / operations at the above address?	-	Sewage treatment
2.	How long have you been occupying the site?	-	Since ~1986
3.	Were you the first occupant on site? (If yes, what was the usage of the site prior to occupancy.)	Yes	Reclaimed land
4.	Prior to your occupancy, who occupied the site?	-	Reclaimed land
5.	What were the main activities / operations during their occupancy?	-	-
6.	Have there been any major changes in operations carried out at the site in the last 10 years?	No	
7.	Have any polluting activities been carried out in the vicinity of the site in the past?	No	
8.	To the best of your knowledge, has the site ever been used as a petrol filling station / car service garage?	No	
9.	Are there any boreholes / wells or natural springs either on the site or in the surrounding area?	No	
10.	Do you have any registered hazardous installations as defined under relevant ordinances? (If yes, please provide details.)	No	
11.	Are any chemicals used in your daily operations? (If yes, please provide details.)	Yes	<ul style="list-style-type: none"> • Phosphoric acid to clean UV lamp • All other chemicals are stored in SWHSTW and bring to the site by service vehicle when servicing is needed
	➤ Where do you store these chemicals?	-	Chemical storage cabinet, other chemicals stored in SWHSTW
12.	Material inventory lists, including quantities and locations available? (If yes, how often are these inventories updated?)	No	
13.	Has the facility produced a separate hazardous substance inventory?	No	
14.	Have there ever been any incidents or accidents (e.g. spills, fires, injuries, etc.) involving any of these materials? (If yes, please provide details)	No	
15.	How are materials received (e.g. rail, truck, etc.) and stored on site (e.g. drums, tanks, carboys, bags, silos, cisterns, vaults and cylinders)?	-	Phosphoric acid are delivered by vehicle from SWHSTW in container and kept in a chemical storage cabinet
16.	Do you have any underground storage tanks? (If yes, please provide details.)	No	
	➤ How many underground storage tanks do you have on site?	-	
	➤ What are the tanks constructed of?	-	
	➤ What are the contents of these tanks?	-	
	➤ Are the pipelines above or below ground?	-	

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		Yes/No	Notes
	➤ If the pipelines are below ground, has any leak and integrity testing been performed?	-	
	➤ Have there been any spills associated with these tanks?	-	
17.	Are there any disused underground storage tanks?	No	
18.	Do you have regular check for any spillage and monitoring of chemicals handled? (If yes, please provide details.)	No	
19.	How are the wastes disposed of?	-	
20.	Have you ever received any notices of violation of environmental regulations or received public complaints? (If yes, please provide details.)	No	
21.	Have you spills occurred on site? (If yes, please provide details.)	No	
	➤ When did the spill occur?	-	
	➤ What were the substances spilled?	-	
	➤ What was the quantity of material spilled?	-	
	➤ Did you notify the relevant departments of the spill?	-	
	➤ What were the actions taken to clean up the spill?	-	
	➤ What were the areas affected?	-	
22.	Do you have any records of major renovation of your site or re-arrangement of underground utilities, pipe work / underground tanks (If yes, please provide details.)	No	
23.	Have disused underground tanks been removed or otherwise secured (e.g. concrete, sand, etc.)?	No	
24.	Are there any known contaminations on site? (If yes, please provide details.)	No	
25.	Has the site ever been remediated? (If yes, please provide details.)	No	

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Observations

		Yes/No	Notes
1.	Are chemical storage areas provided with secondary containment (i.e. bund walls and floors)?	-	Phosphoric acid kept in a chemical storage cabinet
2.	What are the conditions of the bund walls and floors?	-	
3.	Are there any surface water drains located near to drum storage and unloading areas?	-	
4.	Are any solid or liquid waste (other than wastewater) generated at the site? (If yes, please provide details.)	Yes	<ul style="list-style-type: none"> • Screenings from the treatment process • Spent UV lamp
5.	Is there a storage site for the wastes?	Yes	<ul style="list-style-type: none"> • Screenings collected in container and packed into plastic bags for landfill disposal • Spent UV lamp collected and delivered to SWHSTW for bulk processing
6.	Is there an on-site landfill?	No	
7.	Were any stressed vegetation noted on site during the site reconnaissance? (if yes, please indicate location and approximate size.)	No	
8.	Were any stained surfaces noted on-site during the site reconnaissance? (if yes, please provide details.)	No	
9.	Are there any potential off-site sources of contamination?	No	
10.	Does the site have any equipment which might contain polychlorinated biphenyls (PCBs)?	No	
11.	Are there any sumps, effluent pits, interceptors or lagoons on site?	Yes	The sumps and tanks are currently used for sewage treatment
12.	Any noticeable odours during site walkover?	Yes	Slight odour from screenings and treatment process
13.	Are any of the following chemicals used on site: fuels, lubricating oils, hydraulic fluids, cleaning solvents, used chemical solutions, acids, anti-corrosive paints, thinners, coal, ash, oil tanks and bilge sludge, metal wastes, wood preservatives and polyurethane foam?	Yes	<ul style="list-style-type: none"> • Phosphoric acid to clean UV lamp • All other chemicals are stored in SWHSTW and bring to the site by service vehicle when servicing is needed