Annex I - Guyana

Guyana, located on the northern coast of South America, is known for its cultural diversity, abundant natural resources and expansive ecosystems. The country covers an area of roughly 214,969 square kilometres, bordered by Venezuela to the west, Brazil to the south, Suriname to the east and the Atlantic Ocean to the north, and has a population of approximately 800,000, chiefly living in a narrow coastal zone in and around the capital, Georgetown. In total **28,871 kg of obsolete pesticides**, **143,627.5 kg of PCB wastes and 8,880 L of AFFF** have been endorsed for consideration for disposal, the obsolete pesticides being held almost entirely at the PTCCB Interim Storage Facility at Mon Repos and at four GUYSUCO sugar estates, and the PCB wastes at power stations and substations operated by Guyana Power and Light Inc.

Note: In some instances, the transformers are still in operation and could not be fully verified for their PCB content; they may be included provided that sufficient budget is available and the operating transformers are decommissioned.

Table 1 - Summary of the on-the-Ground Identified Stockpiles, by Site (GY-XX)[1]

Site Ref.	Site Name	GPS Coordinates	Type of Waste	Quantity (l/kg)
GY-01	Ministry of Health, Vector Control Services, Georgetown	6°49'16"N 58°08'53"W	Obsolete pesticides	1,375
GY-02	GUYSUCO Enmore Closed Sugar Factory	NA	PCB	0
GY-03	GUYSUCO Enmore Pump Station	NA	None	0

[1] The stockpiles in the colour "purple" have been nationally prioritized for disposal. The remaining stockpiles in the colour "black" are to be considered for disposal once the prioritised stockpiles have been accounted for and "red" for waste that cannot be disposed of under this activity.

Site Ref.	Site Name	GPS Coordinates	Type of Waste	Quantity (l/kg)
GY-04	PTCCB Interim Storage Facility, Mon Repos	6°47'02"N 58°03'29"W	Obsolete pesticides	25,971.17
GY-05	GUYOIL, Providence Terminal	6°45'29"N 58°10'52"W	AFFF[2]	3,050
GY-06	RUBIS Guyana, Ramsburg Terminal	6°45'11"N 58°10'59"W	AFFF	3,727
GY-07	GUYSUCO, Skeldon Estate	5°52'44"N 57°08'36"W	Obsolete pesticides	233.7
GY-08	GUYSUCO, Albion Estate	6°15'02"N 57°22'45"W	Obsolete pesticides	462
GY-08	GUYSUCO, Albion Estate	6°15'02"N 57°22'45"W	PCB	2,135.5
GY-09	GUYSUCO, Blairmont Estate	6°15'15"N 57°32'48"W	Obsolete pesticides	569.5
GY-09	GUYSUCO, Blairmont Estate	6°15'15"N 57°32'48"W	Hg	8
GY-10	GUYSUCO, Uitvlugt Estate	6°52'03"N 58°18'19"W	Obsolete pesticides	260.07
GY-10	GUYSUCO, Uitvlugt Estate	6°52'03"N 58°18'19"W	PCB	2,091
GY-11	Guyana National Industrial Company (GNIC) Shipyard	NA	PCB	0
GY-12	Municipal Vector Control Services, M&CC Georgetown	NA	Obsolete pesticides	0
GY-13	Haags Bosch Sanitary Landfill	NA	POPs-PBDE / HBCD	0
GY-14	Wales Sugar Estate (NICIL)	NA	Obsolete pesticides / PCB	0
GY-16	Guyana Fire Service, Cheddi Jagan International Airport	NA	AFFF	227
GY-17	Guyana Fire Service, Eugene Correia International Airport	NA	AFFF	151
GY-18	GPL – Sophia Power Station	6°48'50"N 58°07'32"W	PCB	11,259

[2] Owners of all existing AFFF stockpiles shall be required to confirm the availability of environmentally sustainable alternatives to facilitate the replacement of stockpiles earmarked for disposal.

Site Ref.	Site Name	GPS Coordinates	Type of Waste	Quantity (l/kg)
GY-18	GPL – Sophia Power Station	6°48'50"N 58°07'32"W	PCB (suspect equipment)	94,260
GY-19/GY-20	GPL Kingston 2 Generating Power Plant (PPDA Inc.) / GPL Kingston Power Station, Water Street	6°49'22"N 58°09'54"W	PCB	5,218
GY-21	GPL – #53 Substation	NA	PCB	4,789
GY-22	GPL – Garden of Eden Power Plant	NA	PCB	5,630
GY-23	GPL – Canefield Control Centre / Substation	6°14'54"N 57°29'43"W	PCB	15,430
GY-24	GPL – Versailles Old Power Station	NA	PCB	2,815
GY-25	GUYOIL – Heathburn Terminal	NA	AFFF	1,600
GY-26	GUYOIL – Adventure Terminal, Essequibo	NA	AFFF	125

GY-01 Ministry of Health – Vector Control Services, Thomas Lands, Georgetown (6°49'16"N 58°08'53"W)

The Vector Control Services (VCS) storage compound of the Ministry of Health consists of interlinked, well-ventilated wooden buildings. One side is used mainly for the storage of dry goods, masks, hospital equipment and office records, together with limited quantities of ethanol, iodine and disinfectants; the second part serves vector control operations and holds mosquito netting and hammocks, quads, motorbikes, boats and the insecticides used for spraying. Spraying involves mixing diesel, held in 200 l drums, with Malathion, the residuals being collected in a separate drum. Handling and storage are rudimentary: mixtures are kept in re-used cooking oil containers, drums of Malathion and diesel are re-used and unlabelled, and decanting is done with funnels and buckets without appropriate personal protective equipment. The former mixing area outside the facility burned down in the spring of 2024, causing a spill estimated at some 1.3 tonnes of obsolete Malathion into soil and groundwater; the area still has a strong odour, particularly after rain, and only rudimentary measures (beach sand and whitewash) have been applied. A 40' container is to be placed on this spot to regain storage space. The unit considers its present location, in the middle of the city next to the Guyana Defence Force compound and a special needs school, unsuitable for its purpose.

Comments from Independent Supervisor: The endorsed quantity does not include the estimated 1.3 tonnes of Malathion spilt to soil and groundwater when the mixing area burned down in the spring of 2024; soil remediation is not covered by the scope of this activity.

Table 2 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Aquatain film-forming insecticide (polydimethylsiloxane)	Moderate to poor	66	Metal and PE drums, Jute bags, plastic bags	1,215

Table 3 - Site conditions

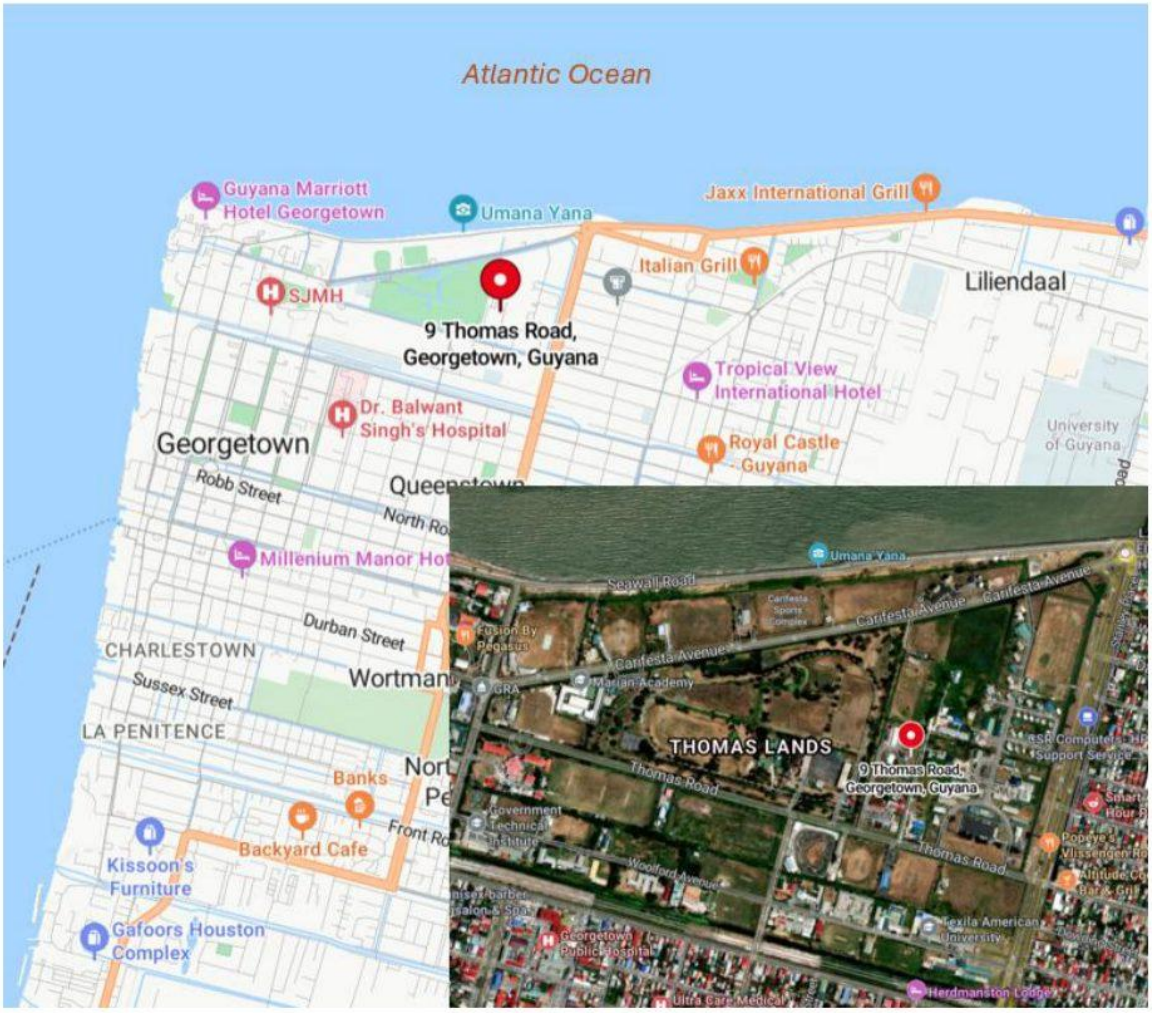
Site conditions	
Status of stored waste	Limited signs of spills
Building conditions	Wooden buildings in moderate condition, small upgrade needed
Floor conditions	Concrete floor in moderate to poor condition
Site control	Yes, barbed wire or other border control
Accessibility	Gravel road, unsuitable for trucks, accessible with (4WD) car

Table 4 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	Yes, inside a residential area
Proximity of public facilities within 500 m	Special Needs School; Army Base
Proximity of groundwater wells within 250 m	Unknown
Proximity of open water within 500 m	Yes, river within 500 m
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No

Location within Recreational Area or National Park	No

Figure 1. Map with Geographical Setting of the site



Site Layout



Photo report of the site





GY-04 PTCCB Interim Storage Facility, NAREI Compound, Mon Repos (6°47'02"N 58°03'29"W)

The Pesticides and Toxic Chemicals Control Board (PTCCB) chemicals storage facility, situated at the rear of the National Agricultural Research and Extension Institute (NAREI) compound, opened in 2015. It is a flat building of some 11.14 x 17.32 m with five compartments, a separate office building, a washroom and a decontamination area, and a small basin at the back for the evaporation of laboratory waste generated by the facility's operations. The building is divided into sections and has good doors and working ventilation, but it is already at capacity and also holds non-hazardous items. Pesticides are stored in two bays at the back; a registration system is in place for incoming pesticides but, partly because of the limited storage space, the actual storage locations have become mixed. Several leaks can be observed from both drums and retail packages and, without proper re-organisation, the situation is likely to deteriorate quickly. This site holds by far the largest single stockpile of obsolete pesticides in Guyana.

Table 5 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Obsolete and seized pesticides received prior to 2022, some 85 active ingredients (incl. aluminium phosphide, permethrin, cypermethrin, alpha-cypermethrin, dithiocarbamate propineb, thiodicarb, fentin acetate)	Moderate to poor, some damaged packaging	–	Drums, plastic and glass bottles, cardboard boxes and bags	11,066.43
Obsolete pesticides	Repacked mixed pesticide liquids and solids, PTCCB drums 1–5	Moderate	5	Drum	321.25
Obsolete pesticides	GUYSUCO stock safeguarded at the facility (Asulox 40 / asulam, rodenticide, 2,4-D amine)	Moderate	–	Drums and containers	1,230
Obsolete pesticides	Mancozeb-based fungicides (Dithane, Mancozan, Dichloran), GCT drums, net chemical weight	Moderate	30	Metal drum	3,774

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Confiscated stocks, July 2022 – 22 April 2024, incl. mosquito coils, aluminium phosphide, detergent powder and unidentified products	Moderate to poor	–	Drums, boxes, bags and bottles	9,579.49
Total					**25,971.17**

Table 6 – Site conditions

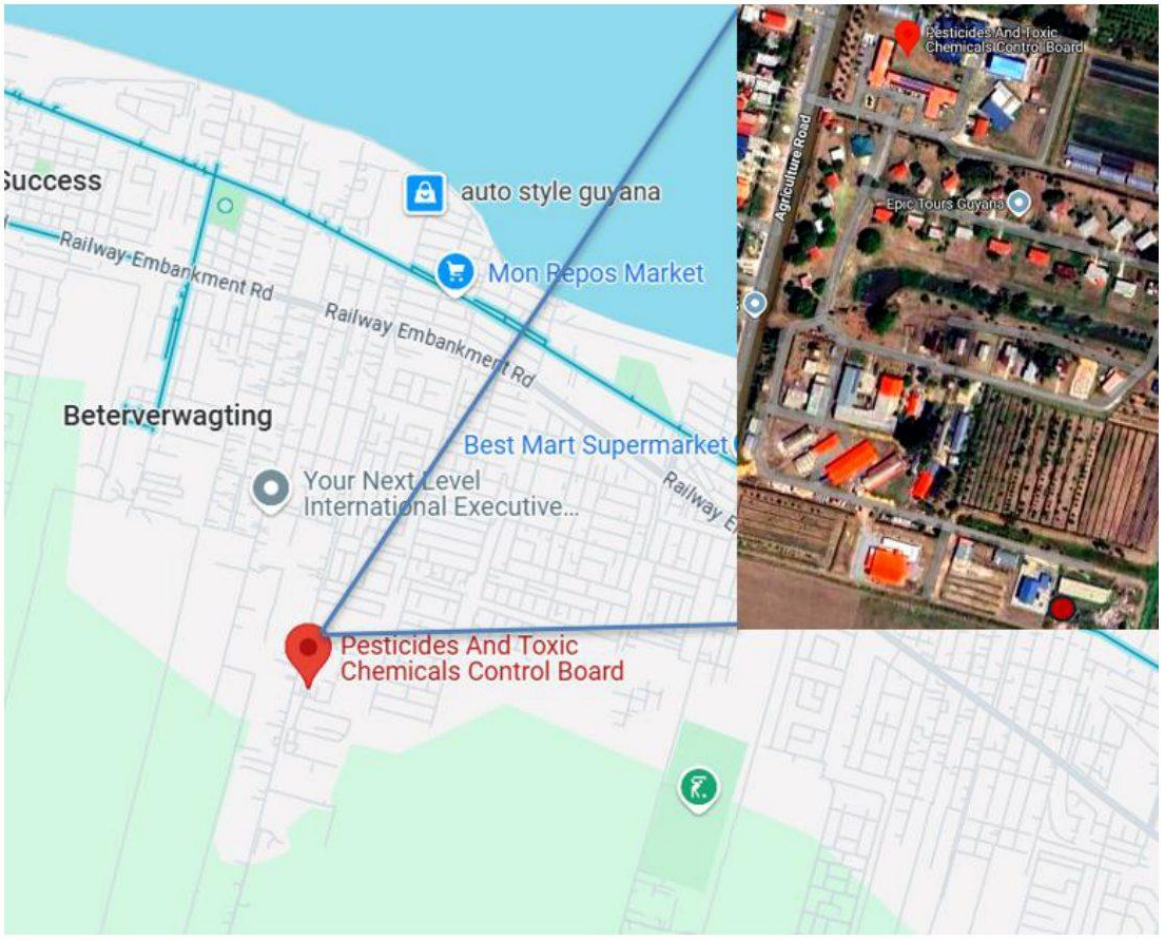
Site conditions	
Status of stored waste	Limited signs of spills; spilled material in the southern and western area
Building conditions	Good, no major signs of damage
Floor conditions	Concrete floor in good condition
Site control	Yes, (partially) fenced with gates
Accessibility	Dirt path or road, unsuitable for trucks, accessible with (4WD) car

Table 7 – Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	No
Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 500 m
Proximity to residential area	Yes, within 500 m
Proximity of public facilities within 500 m	No; the Guyana School of Agriculture is within 900 m
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	Yes, river within 500 m

Proximity of crops or pastures within 250 m	Yes
Proximity of Food or Feedstuff Storage within 250 meters	Yes
Location within Recreational Area or National Park	No

Figure 2. Map with Geographical Setting of the site



Site Layout



Photo report of the site






RODENTICIDE



GY-05 GUYOIL, Providence (6°45'29.0"N 58°10'52.0"W)

GUYOIL Providence terminal is located on the Demerara River and is chiefly used for bulk storage of Diesel, Fuel Oil and Kerosene which is imported mostly from Trinidad. The facility has strict gate control. Next to the loading platform, on a wooden podium of poor quality, AFFF are stored in full sunshine. In addition, each fire hose has a single 200L drum with AFFF stored adjacent. Some minor quantities were stored inside a shed.

Table 10 - Inventory List of relevant Waste Streams at the Site

Type of waste	Name of Foam	Condition of Packaging	No. of packaging	Type of packaging	Volume in packaging (kg/l)	Quantity (kg/l)
AFFF	DFC 203 Fluoroprotein	Moderate	15	PE Drum – outside in sun	200	3,000
AFFF	Petroseal – Angus Fire	Poor	2	PE Drum – inside of a shed	25	50
Total						**3,050**

Table 11 - Site conditions

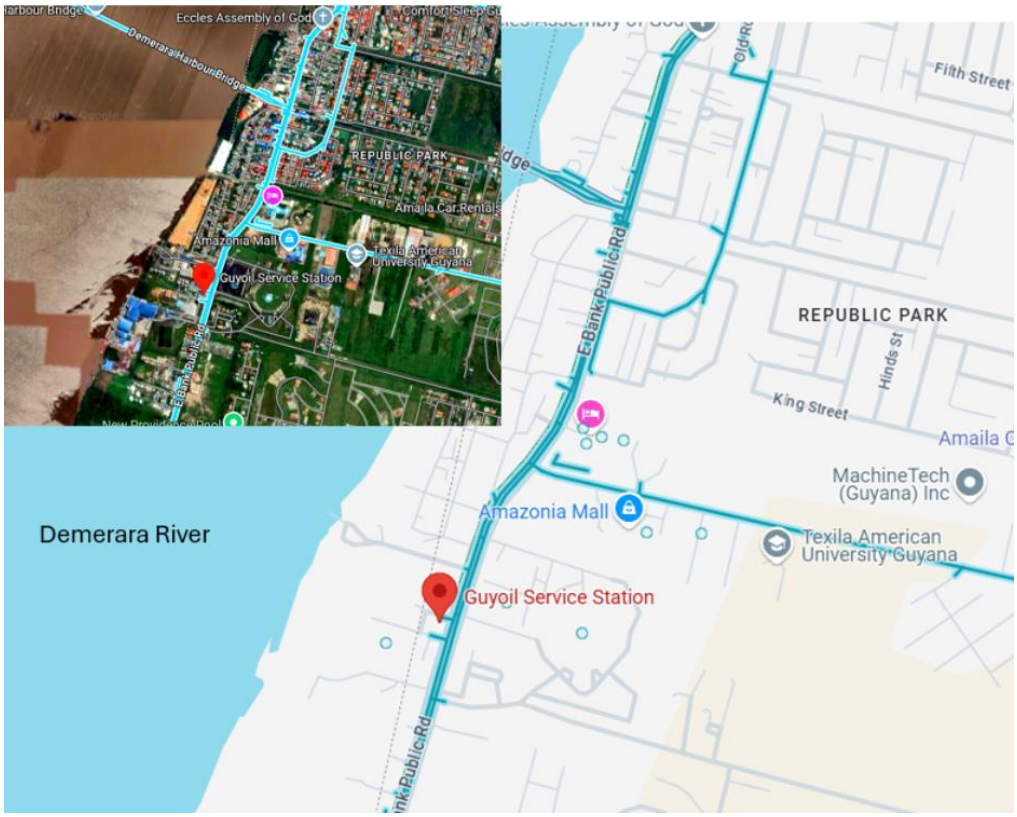
Site conditions	
Status of stored waste	No signs of spills
Building conditions	No building; Stored in firehouse shed
Floor conditions	Concrete, moderate to poor quality
Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 12 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods

Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 100 m
Proximity to residential area	yes, within 500 m
Proximity of public facilities within 500 m	School; Guyana National Stadium
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	River
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 3. Map with Geographical Setting of the site



Site Layout



Photo report of the site







GY-06 Rubis Guyana, Ramsburg Terminal (N 6 45 10.8, W 58 10 58.8)

Rubis Ramsburg terminal is close to the GUYOIL terminal in Providence. The terminal has strict gate control and AFFF is stored at one main fire station centrally at the terminal. Here four (4) PE drums are stored, in addition to foam which is present inside a steel tank that contains two (2) PE drums and is new. The tank has never had replacement AFFF in it. In addition to storage at the central spot, AFFF is also stored at the individual fire hoses around the terminal building which each have one (1) 200L PE drum of AFFF. A final 600-gallon tank is present at a second location. This metal tank was placed there in 2001. The current site operations manager started working there in 2005 and to his knowledge the AFFF in the tank has never been replaced. The brand and type of AFFF are unknown.

Table 10 - Inventory List of relevant Waste Streams at the Site

Type of waste	Name of Foam	Condition of Packaging	No. of packaging	Type of packaging	Volume in packaging (kg/l)	Quantity (kg/l)
AFFF	Ansulite AFFF	Good	7	PE Drum – outside under a shed in the sun	208	1,456
AFFF	Unknown	Good	1	Steel Tank – inside a shed	2,271	2,271
Total						**3,727**

Table 11 - Site conditions

Site conditions	
Status of stored waste	No signs of spills
Building conditions	No building
Floor conditions	Concrete, good quality

Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 12 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	No
Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 100 m
Proximity to residential area	yes, within 500 m
Proximity of public facilities within 500 m	Police station, School
Proximity of groundwater wells within 250 m	No
Proximity of open water within 500 m	River
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 3. Map with Geographical Setting of the site

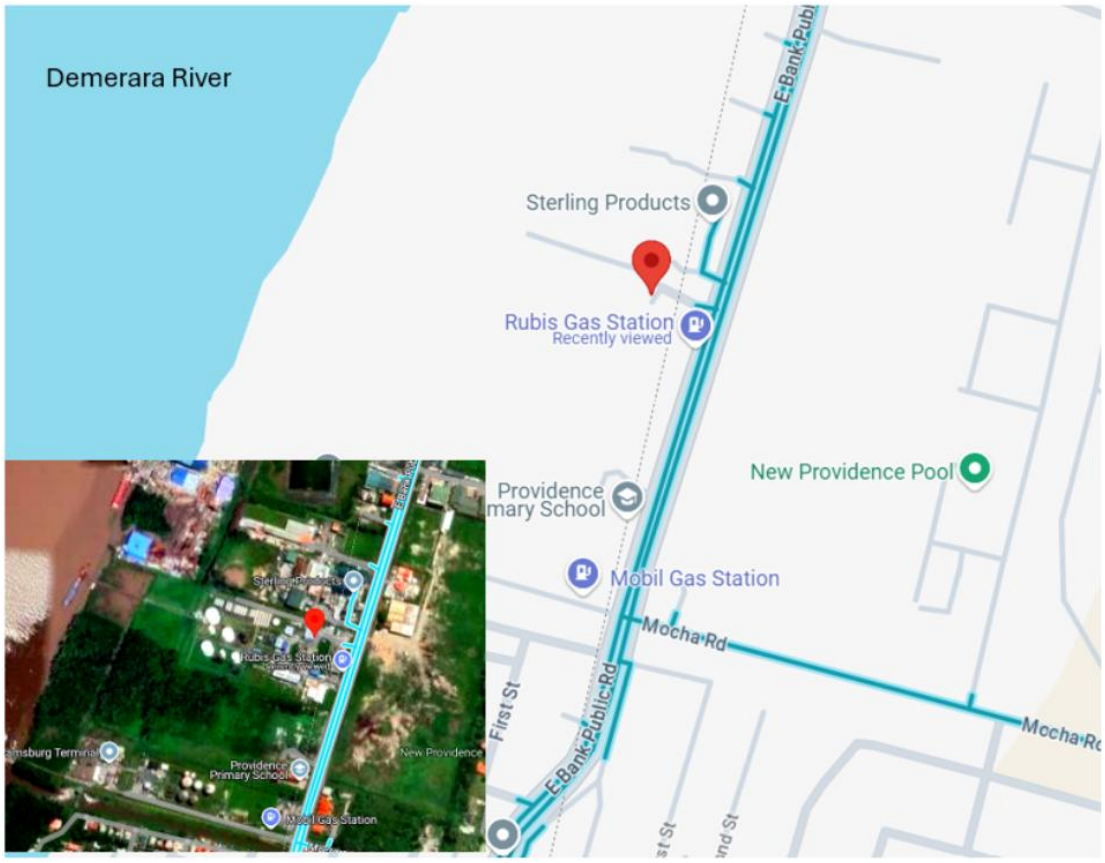


Photo report of the site









GY-07 GUYSUCO, Skeldon Estate (5°52'44"N 57°08'36"W)

The GUYSUCO Skeldon sugar factory, on site since 1910, is no longer in operation. Most transformers and electrical equipment have been removed to other sugar factories after its closure, and those that remain are not suspect for PCBs on account of their age. A small pesticide storage building at the back of the facility is still in use and held limited quantities of obsolete pesticides. The buildings are generally in a state of disrepair and unsuitable for storage; an old leaching pond is present on the site.

Table 10 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	BASF Storm (flocoumafen), rodenticide, solid	Good	17	Plastic box (10 kg)	170
Obsolete pesticides	Brigand (bromadiolone), rodenticide, solid	Good	4	Plastic box (10 kg)	40
Obsolete pesticides	Zinc phosphate, rodenticide, solid	Moderate	1	Other (23.7 kg)	23.7
Total					**233.7**

Table 11 - Site conditions

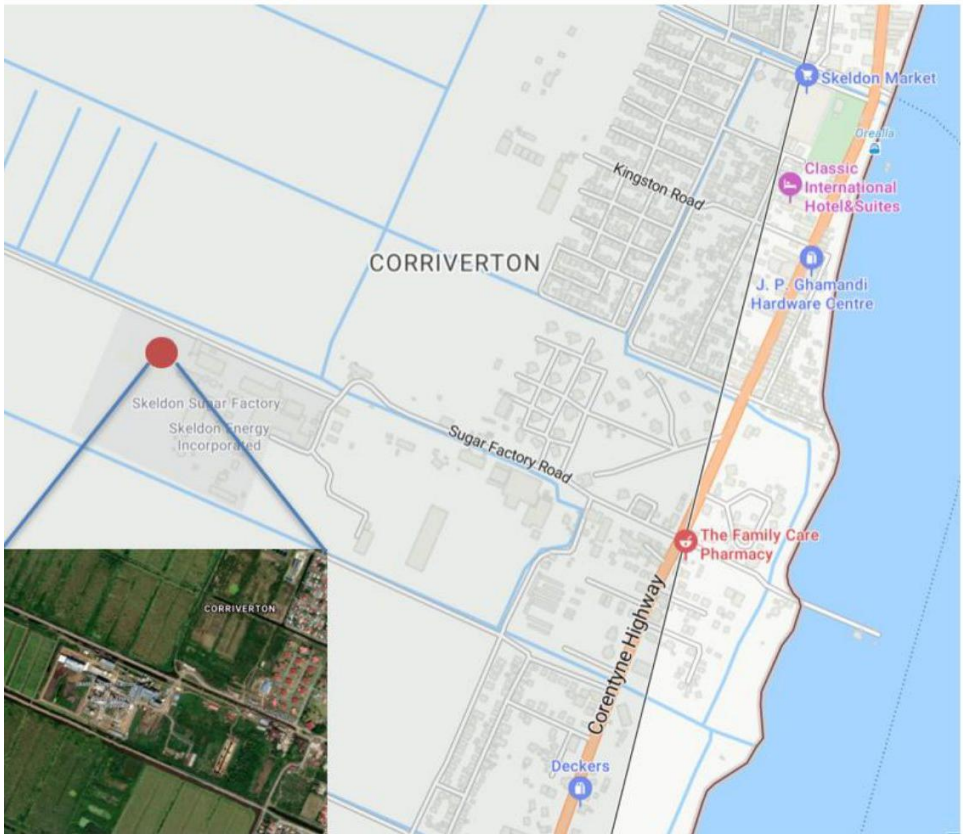
Site conditions	
Status of stored waste	No signs of spills
Building conditions	In a state of disrepair, unsuitable for storage
Floor conditions	Concrete floor in moderate to poor condition
Site control	Yes, (partially) fenced with gates

Accessibility	Good quality asphalt, suitable for trucks

Table 12 – Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	No
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	No
Proximity of public facilities within 500 m	NA
Proximity of groundwater wells within 250 m	Unknown
Proximity of open water within 500 m	No
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 3. Map with Geographical Setting of the site


Skeldon Market
Kingston Road
Classic International Hotel&Suites
CORRIVERTON
J. P. Ghamandi Hardware Centre
Skeldon Sugar Factory
Skeldon Energy Incorporated
Sugar Factory Road
The Family Care Pharmacy
CORRIVERTON
Corentyne Highway
Deckers

Site Layout

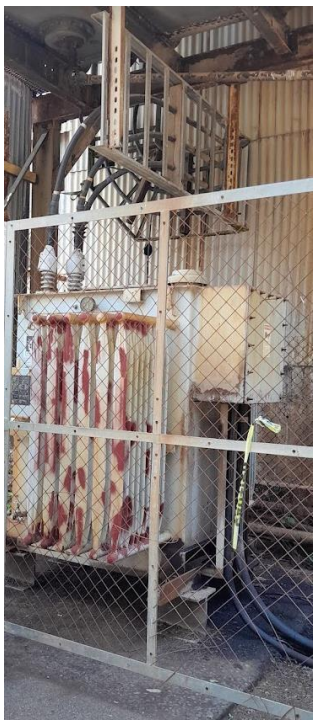

Old Leaching Pond
Chemicals Bond
Old Skeldon Sugar Factory



Photo report of the site









GY-08 GUYSUCO, Albion Estate (6°15'02"N 57°22'45"W)

The GUYSUCO Albion sugar factory is an active facility on the edge of the town of Albion. The facility operates a number of transformers, some of which are suspect for the presence of PCBs on the basis of their age; all transformers were in use and could not be sampled. An active chemicals bund at the back of the facility contained a considerable quantity of expired chemicals, although most had only recently expired and will likely still be used after approval by the PTCCB. The quantity endorsed for disposal is therefore limited to the oldest stocks, which will no longer be used. At the back of the bund a small lake is present, likely used for the cleaning of triple-rinsed containers, which is most probably heavily contaminated.

Table 13 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Syngenta Touchdown IQ, herbicide, liquid, expiry July 2024	Good	22 / 12	Cardboard box / PE bottle (1 l)	264
Obsolete pesticides	Chemical King Commando (A Flutole 75 %), herbicide, solid, expiry August 2024	Good	14	Cardboard box (10 kg)	140
Obsolete pesticides	Rotam Medusa (metribuzin), herbicide, liquid, expiry January 2024	Good	72 / 2	Cardboard box / PE drum (10 l)	1,440

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Ethephon 480 g/l, herbicide, liquid, expiry 03-01-2021	Moderate	21 / 1	Cardboard box (20 l) / PE drum (20 l)	420
Obsolete pesticides	Syngenta Touchdown, various, herbicide, liquid, expired 2022	Moderate	–	PE bottle	30
Obsolete pesticides	Mixed liquids, insecticide / herbicide / rodenticide	Moderate	–	PE bottle	12
Total					**462**
PCB	Transformers suspect for PCBs	In use, no signs of spills	5	Transformer	**2,135.5**

Table 14 - Site conditions

Site conditions	
Status of stored waste	No signs of spills
Building conditions	Moderate, small upgrade needed
Floor conditions	Concrete floor in good condition
Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 15 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	No
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	No

Proximity of public facilities within 500 m	Health centre
Proximity of groundwater wells within 250 m	Unknown
Proximity of open water within 500 m	Yes, river within 500 m
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 4. Map with Geographical Setting of the site



Site Layout

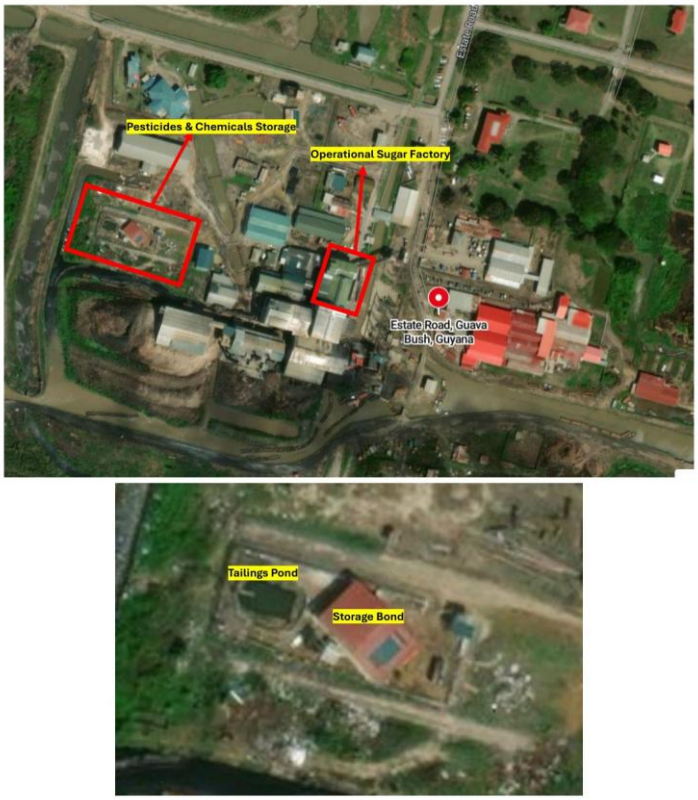


Photo report of the site




AGRO CHEMICAL BOND
Total Protective Garments must be Worn at all times
When Entering Bond
NO
SMOKING
ONLY
AUTHORISED
PERSONS
ALLOWED


DANGER
TAILING POND
NO UNAUTHORISED
PERSON ALLOWED

GY-09 GUYSUCO, Blairmont Estate (6°15'15"N 57°32'48"W)

The Blairmont Estate is situated on the west bank of the Berbice River, 66 miles east of Georgetown, and has been in operation since 1880. This active estate had some transformers in use which are not suspect for PCBs on the basis of their manufacture date. Stockpiles of obsolete pesticides were identified in two chemical storage bonds, which are not strictly used for expired chemicals but also house chemicals with a valid shelf life. A storage area for empty chemical containers is situated behind the storage bond, along with a tailings pond that stores effluent discharged from the rinsing of chemical containers. A small quantity of mercury-containing laboratory chemicals was also identified at the facility.

Table 16 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Asulam 80 %, herbicide, solid	Poor	4 / 1	Cardboard box (10 kg) / Plastic bag (10 kg)	50
Obsolete pesticides	Agro Care Chemical Industry Tordon (2,4-D + picloram), herbicide, liquid	Moderate	–	PE bottle (5 l)	30
Obsolete pesticides	Fluroxypyr meptyl (fluroxypyr ester), herbicide, liquid	Moderate / Good	1 / 1	PE bottle (20 l) / PE bottle (5 l)	5

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Diuron, herbicide, solid	Poor	2 / 2	Paper bag (25 kg) / Plastic bag (1 kg)	15
Obsolete pesticides	Terbutryn, herbicide, liquid	–	1	PE bottle (25 l)	6
Obsolete pesticides	Moddus (trinexapac-ethyl), herbicide, liquid	–	1	PE bottle (20 l)	20
Obsolete pesticides	Ethephon, herbicide, liquid	Good	1	PE bottle (20 l)	20
Obsolete pesticides	Basta (glufosinate-ammonium), herbicide, liquid	Good	1	PE bottle (20 l)	16
Obsolete pesticides	Dual Gold 960, herbicide, liquid	Good	1	PE bottle (20 l)	20
Obsolete pesticides	Unknown, suspected Dual Gold, herbicide, liquid	Moderate	1	PE bottle (20 l)	20
Obsolete pesticides	Ethephon, herbicide, liquid	Moderate / Good	14 / 1	Cardboard box (20 l) / PE bottle (20 l)	367.5
Total					**569.5**

Table 17 - Site conditions

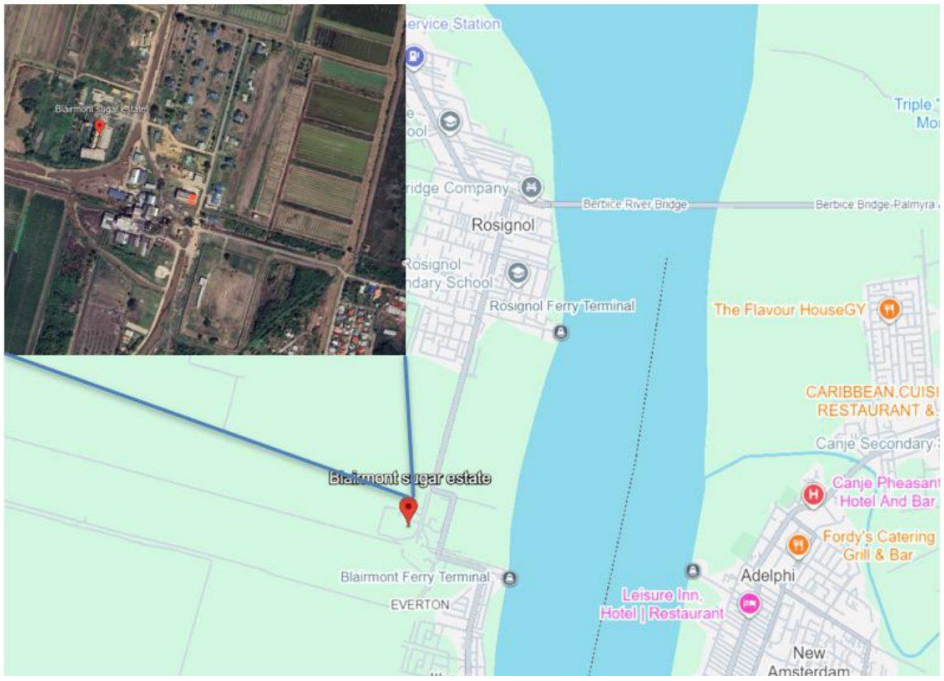
Site conditions

Status of stored waste	No signs of spills
Building conditions	Good, no major signs of damage
Floor conditions	Concrete floor in good condition
Site control	Yes, (partially) fenced with gates
Accessibility	Gravel road, easily accessible

Table 18 – Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	Yes, within 500 m
Proximity of public facilities within 500 m	None
Proximity of groundwater wells within 250 m	No
Proximity of open water within 500 m	Yes, river within 500 m
Proximity of crops or pastures within 250 m	Yes
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 5. Map with Geographical Setting of the site



Site Layout



Photo report of the site




GUYANA SUGAR CORPORATION INC.
P.C.M.D
CHEMICAL BOND
DANGER
DANGER
NO SMOKING




TAILINGS
POND

GY-10 GUYSUCO, Uitvlugt Estate (6°52'03"N 58°18'19"W)

The Uitvlugt Estate, on site since 1871 and merged with the Leonora Estate in 1981, is an active estate situated on the west coast of the Demerara River, approximately 29 km from Georgetown. Transformers were identified at the factory, both decommissioned and in use; some are suspect for PCBs on the basis of manufacture dates going back as far as 1955, and samples were taken. Stockpiles of obsolete pesticides were also identified in the storage bond, although most of these expired in 2024 and there are plans for their use as originally intended, so that the quantity endorsed for disposal is limited to the oldest stocks. All pesticides were stored on pallets or shelves, with quantities monitored and recorded by designated personnel. A tailings pond for capturing chemical container rinsate is also present in the compound.

Table 19 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
Obsolete pesticides	Ethephon, herbicide, liquid	Good	12 / 1	Cardboard box (20 l) / PE bottle (20 l)	243.4
Obsolete pesticides	LI 700 (anti-drift adjuvant), liquid	Good	2	PE bottle (10 l)	16.67
Total					**260.07**
PCB	Suspected transformers/ breakers				**2,091**

Table 20 - Site conditions

Site conditions	
Status of stored waste	No signs of spills

Building conditions	Good, no major signs of damage
Floor conditions	Concrete floor in good condition
Site control	Yes, (partially) fenced with gates
Accessibility	Gravel road, easily accessible

Table 21 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	Yes, within 500 m
Proximity of public facilities within 500 m	None
Proximity of groundwater wells within 250 m	No
Proximity of open water within 500 m	Yes, river within 500 m
Proximity of crops or pastures within 250 m	Yes
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 6. Map with Geographical Setting of the site



Site Layout



Photo report of the site


STOP


NO SMOKING
SAFETY
IF YOU GET CHEMICALS ON YOUR BODY OR EYES WASH THOROUGHLY WITH PLENTY OF WATER



GY-16 Guyana Fire Service (GFS) – Cheddi Jagan International Airport

No site visit was conducted to this location as the information was being collected under another project.

Table 29 - Inventory List of relevant Waste Streams at the Site

Type of waste	Name of Foam	Condition of Packaging	No. of packaging	Type of packaging	Volume of packaging (kg/l)	Quantity (kg/l)
AFFF						**227**

GY-17 Guyana Fire Service (GFS) – Eugene Correia International Airport

No site visit was conducted to this location as the information was being collected under another project.

Table 30 - Inventory List of relevant Waste Streams at the Site

Type of waste	Name of Foam	Condition of Packaging	No. of packaging	Type of packaging	Volume of packaging (kg/l)	Quantity (kg/l)
AFFF						**151**

GY-18 Guyana Power and Light Inc. (GPL), Sophia Power Station, Greater Georgetown (6°48'50"N 58°07'32"W)

The Guyana Power and Light Inc. (GPL) power station at Sophia, Greater Georgetown, has been in operation since 2014 and is fully operational, with most transformers in use. Four grounding transformers manufactured by Federal Pioneer (Canada) in 1974 were sampled in March 2023 and confirmed to be PCB contaminated, at concentrations between 350 and 720 mg/kg; they are already labelled as PCB contaminated from the 2013 inventory and marked for disposal, and GPL has indicated that there are plans to remove them from the system. Although still live, these four units form the nationally endorsed stockpile at this site. A further five transformers are potentially contaminated but could not be sampled because they are live or, in two cases, decommissioned but still energised or partially dismantled; these were endorsed as additional (optional) waste and may be included provided that sufficient budget is available and the operating transformers are decommissioned. The transformers stand on dirt and grass; the site is fully fenced with gates and security checkpoints and no spills were observed.

Table 22 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	PCB contaminated transformers	In use, no spills	4	Transformer	11,259
PCB (additional waste)	Transformers potentially contaminated, no sample taken	In use, no spills	5	Transformer	94,260
Total					**105,519**

Table 23 - Site conditions

Site conditions	
Status of stored waste	Operational, no spills seen
Building conditions	Good, no major signs of damage
Floor conditions	Dirt and grass
Site control	Yes, fully fenced with gates and security checkpoints
Accessibility	Gravel road, easily accessible

Table 24 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods, heavy winds
Proximity to a chemical factory, flammable materials storage or other industrial hazard	No
Proximity to residential area	Yes, within 500 m
Proximity of public facilities within 500 m	Yes, EPA
Proximity of groundwater wells within 250 m	No
Proximity of open water within 500 m	No
Proximity of crops or pastures within 250 m	No
Proximity of Food or Feedstuff Storage within 250 meters	No
Location within Recreational Area or National Park	No

Figure 7. Map with Geographical Setting of the site

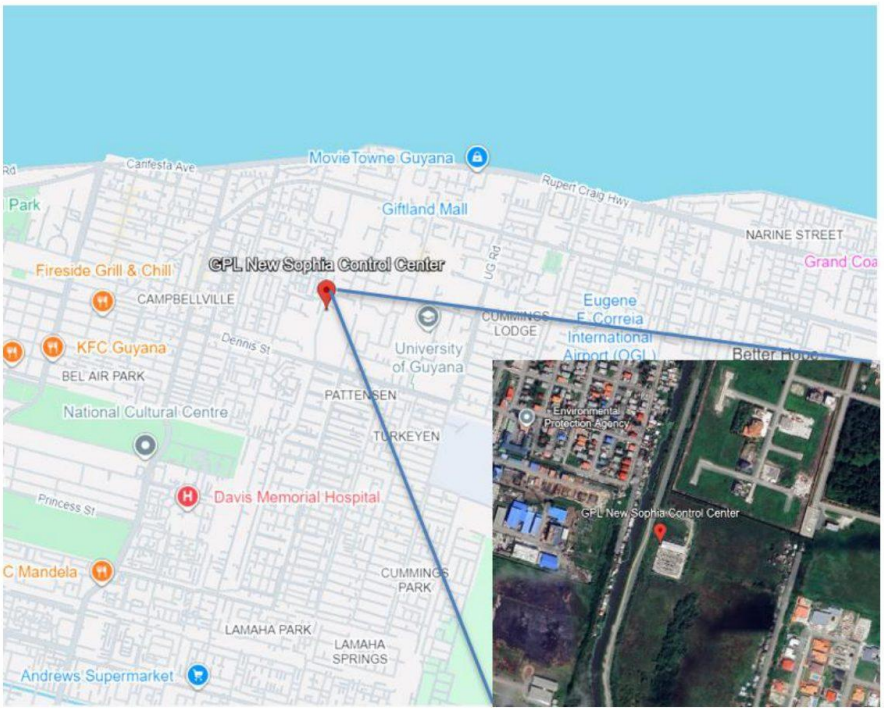


Figure 1 Map with the Geographical Setting of the Site

Site Layout



Photo report of the site









GY-19/GY-20 GPL Kingston 2 Generating Power Plant (PPDA Inc.) / GPL Kingston Power Station, Water Street (6°49'22"N 58°09'54"W)

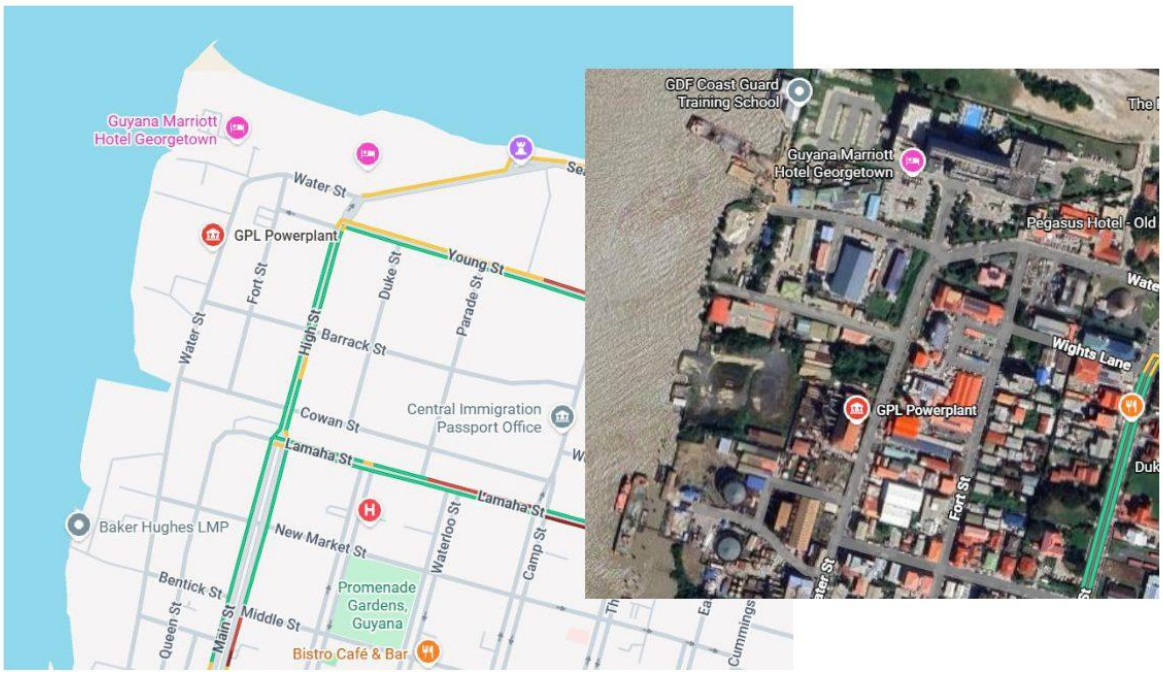
Verification activities under Activity 2.1.1 confirmed that approximately 5,218 kg of PCB-contaminated equipment is present at the Kingston Power Plant, operated by Guyana Power and Light Inc. No photographs of the waste are available.

Comments from Independent Supervisor: The endorsed national inventory and Table 4.1 of the National Assessment Report describe the GPL stockpiles at GY-19/GY-20, GY-21, GY-22, GY-23 and GY-24 as "confirmed contaminated transformers", whereas the corresponding factsheets record "no sample taken" or "not sampled" for every unit and state that the sites were not visited by the assessment team, the data having been submitted by the owner. Only the four transformers at GY-18 Sophia carry analytical results. The basis on which the remaining 33,882 kg is classified as confirmed PCB-contaminated should be clarified.

Table 25 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	Transformers; no oil samples taken	Not assessed	6	Transformer	5,218

Figure 8. Map with Geographical Setting of the site



GY-21 GPL Inc., #53 Substation

Verification activities under Activity 2.1.1 confirmed that approximately 4,789 kg of PCB-contaminated equipment is present at the #53 Substation, operated by Guyana Power and Light Inc. No photographs of the waste are available and no GPS coordinates were recorded.

Table 26 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	Transformers; no oil samples taken	Not assessed	2	Transformer	4,789

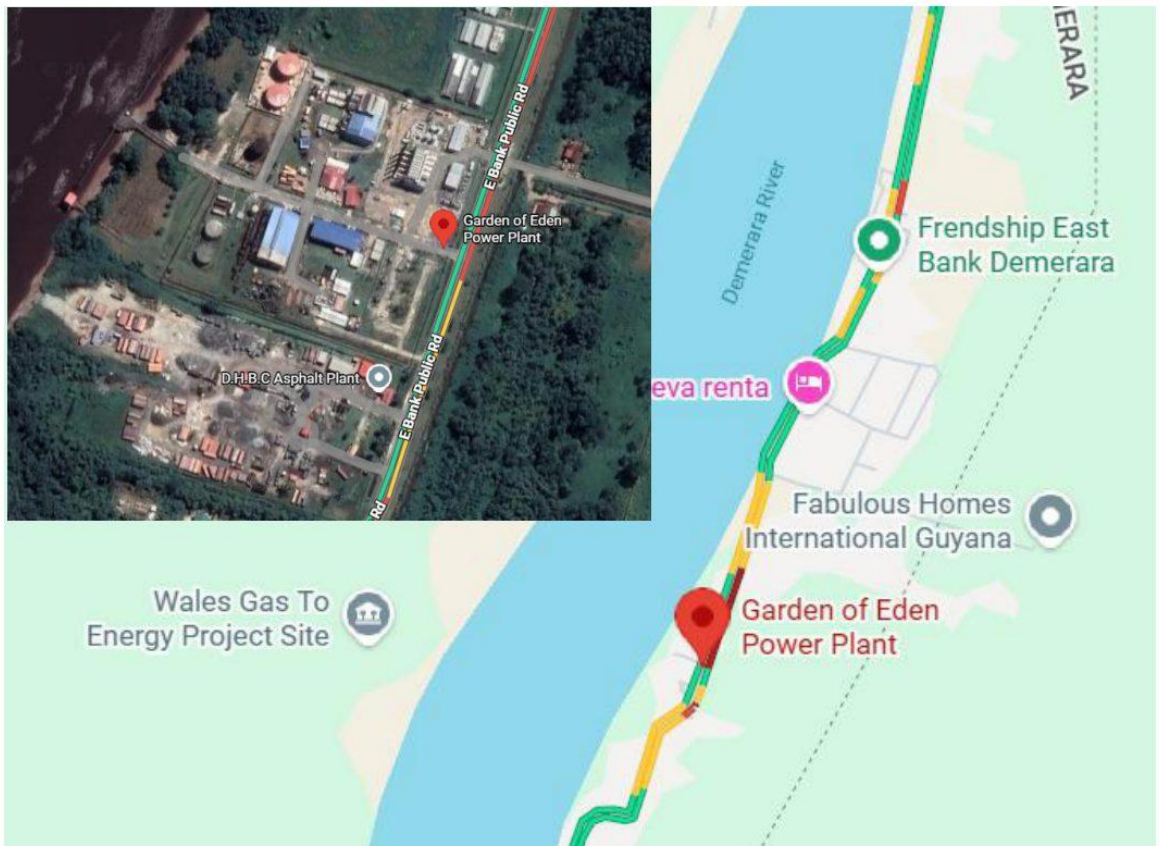
GY-22 GPL Inc., Garden of Eden Power Plant

Verification activities under Activity 2.1.1 confirmed that approximately 5,630 kg of PCB-contaminated equipment is present at the Garden of Eden Power Plant, operated by Guyana Power and Light Inc. No photographs of the waste are available.

Table 27 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	Transformers; no oil samples taken	Not assessed	2	Transformer	5,630

Figure 9. Map with Geographical Setting of the site



GY-23 GPL Inc., Canefield Control Centre / Substation (6°14'54"N 57°29'43"W)

Verification activities under Activity 2.1.1 confirmed that approximately 15,430 kg of PCB-contaminated equipment is present at the Canefield Substation, operated by Guyana Power and Light Inc. This is the largest single nationally endorsed PCB stockpile in Guyana. No photographs of the waste are available.

Comments from the Independent Supervisor: Table 4.1 of the National Assessment Report describes this stockpile as "4 confirmed contaminated transformers - 15,430 kg", whereas the waste data table in the factsheet records a single 1,500 kVA transformer of 15,430 kg. This should be clarified with the site owner before work commences.

Table 28 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	Transformer, not sampled	Not assessed	4	Transformer	15,430

GY-24 GPL Inc., Versailles Old Power Station

Verification activities under Activity 2.1.1 confirmed that approximately 2,815 kg of PCB-contaminated equipment is present at the Versailles Old Power Station, operated by Guyana Power and Light Inc. No photographs of the waste are available and no GPS coordinates were recorded.

Table 29 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
PCB	Transformer; not sampled	Not assessed	1	Transformer	2,815

GY-25 GUYOIL - Heathburn

No site visit was conducted to this location, therefore no photographs of the waste are available and no GPS coordinates were recorded. The information was provided.

Table 30 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
AFFF					**1,600**

GY-26 GUYOIL - Adventure

No site visit was conducted to this location, therefore no photographs of the waste are available and no GPS coordinates were recorded. The information was provided.

Table 30 - Inventory List of relevant Waste Streams at the Site

Type of waste	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (kg/l)
AFFF					**125**