Annex I - The Bahamas

The Bahamas, located in the Atlantic Ocean, is an island nation comprising over 700 islands, cays, and islets. Situated in the north of the Caribbean, the country has a population of approximately 400,000, with Nassau located on New Providence Island, serving as the capital. In total **1,475 kg of obsolete pesticides, 625 L of PCBs, 938kg of mercury and mercury added products (MAPs), 202,750 L of AFFF firefighting foams and 3,360 kg of WEEE** have been nationally endorsed for consideration for disposal[1] from the sites listed in Table 1.

Note: The stockpiles are located on different Family Islands within The Bahamas, namely New Providence, Andros, Grand Bahama, Eleuthera, Abaco and Exuma.

Table 1 - Summary of the on-the-Ground Identified Stockpiles, by Site (BS-XX)[2]

Site Ref.	Site Name	GPS Coordinates	Type of Waste	Quantity (l/kg)
BS-01	New Providence Ecology Park - Hazardous Waste Facility	25°02'24.0"N 77°23'13.2"W	WEE MAPs	3,360 938
BS-02*	Gladstone Road Agricultural Center	25°01'22.8"N 77°24'25.2"W	Obsolete Pesticides	215[3]
BS-03	Lynden Pindling International Airport Fire Services	25°02'38.4"N 77°27'43.2"W	AFFF	9,992

[1] The individual stockpile owners will have to confirm their endorsement to remove the stockpiles proposed in Table 1.
[2] 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.
[3] The stockpiles at this site were transferred to the New Providence Ecology Park Hazardous Waste Facility.

BS-04	Royal Bahamas Police Force (RBPF) Fire Services	25°04'22.8"N 77°20'27.6"W	AFFF	284
BS-05	Bahamas Agricultural and Industrial Corporation (BAIC)	25°04'37.2"N 77°19'19.2"W	Obsolete pesticides	193
BS-06	Department of Environmental Health Services Vector Control	25°03'39.6"N 77°22'19.2"W	Obsolete pesticides	0[4]
BS-07	Bahamas Power and Light Blue Hills	NA	AFFF	1,892
BS-08	Governor's Harbour Airport	NA	AFFF	2,006
BS-09	Leonard Thompson (Abaco) Airport	NA	AFFF	795
BS-10	North Eleuthera Airport	NA	AFFF	795
BS-11	San Salvador Airport	NA	AFFF	2,385
BS-12	Grand Bahama Airport	NA	AFFF	3,974
BS-13	Exuma International Airport	NA	AFFF	2,252
BS-14	BPL Clifton Pier	NA	AFFF	897
BS-15	BPL WCPS (Abaco)	NA	AFFF	3,656
BS-16	Grand Bahama Power Station	NA	PCB	625
BS-17	Bahamas Agriculture and Marine Science Institute (BAMSI)	24°57'48.6"N 78°01'22.5"W	Obsolete pesticides	1,067
BS-18	Queen's Hwy, Sa Andros Bahama Village, Bahama's	NA	Obsolete pesticides	0

[4] As of 2024, all pesticides held in stock were still in active use.

BS-19	Buckeye Bahamas Hub terminal	NA	AFFF	147,959
BS-20	Grand Bahama - Port	NA	AFFF	5,015
BS-21	Grand Bahama - Port	NA	AFFF	20,848

BS-01 New Providence Ecology Park - Hazardous Waste Facility (25°02'24.0"N 77°23'13.2"W)

The New Providence Ecology Park (NPEP) - Hazardous Waste Facility is a professional facility located close to the main landfill in New Providence. The facility holds eight (8) bays[5] for storage of different wastes and a dedicated crew.

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)
waste electrical and electronic equipment (WEEE)	TV and computer monitors		3	IBCs	1,080
waste electrical and electronic equipment (WEEE)	TV and computer monitors		19	boxes	2,280
Total					**3,360**
Mercury-Added Products (MAPs)	L.E.D. bulbs Fluorescent light bulbs			Boxes Bulb crusher drum	938
Total					**938**

Table 3 - Site conditions

Site conditions	
Status of stored waste	No signs of spills
Building conditions	Good, no major signs of damage

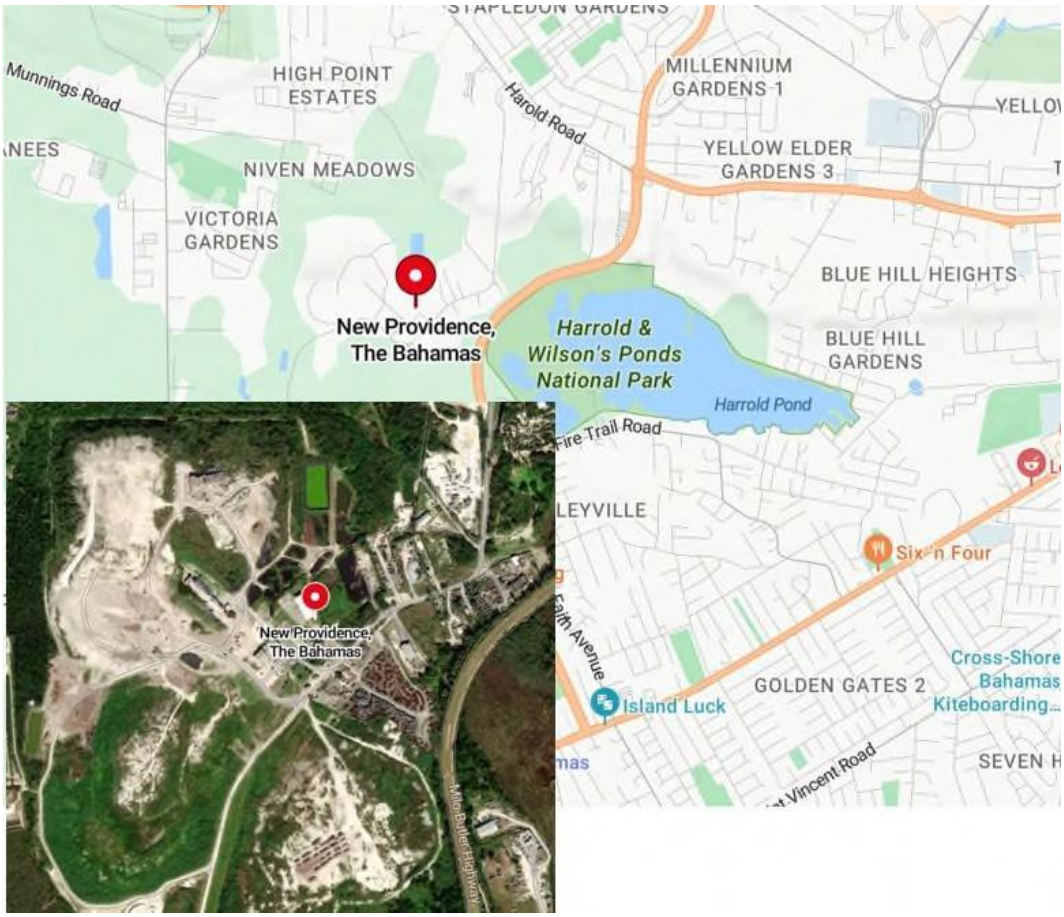
[5] The factsheet reports ten (10) bays, this should be clarified.

Floor conditions	Concrete, good quality
Site control	Yes, barbed wire or other border control
Accessibility	Gravel road, suitable for trucks

Table 4 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Hurricanes
Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 100 m
Proximity to residential area	Yes, inside
Proximity of public facilities within 500 m	Businesses
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	No
Proximity of crops or pastures within 250	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

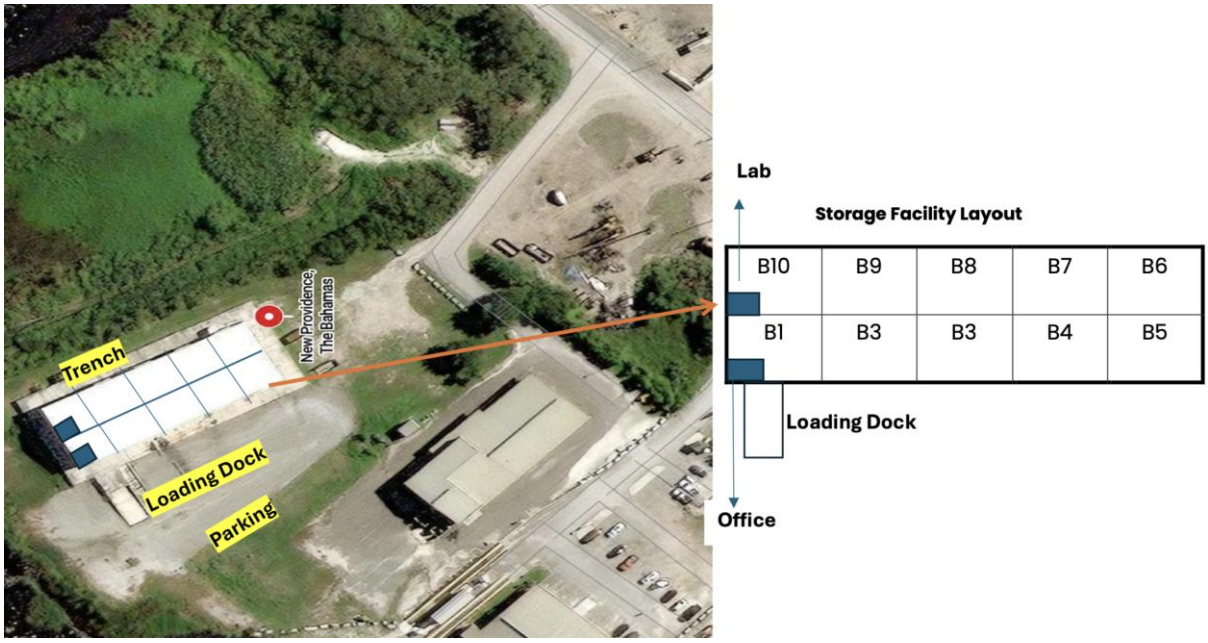


Photo report of the site


1
2
3


METAL
675 lbs
ballast
1,785 lbs


HANDLE WITH CARE









BS-02 Gladstone Road Agricultural Center (25°01'22.8"N 77°24'25.2"W)

Obsolete pesticides were stored in a regular shed together with active products, fertilizers and general tools. The obsolete products were collected, registered and transferred to the New Providence Ecology Park Hazardous Waste Facility. No obsolete wastes remained at the original sites after the clean-up.

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)
Obsolete pesticides		Moderate to poor	709	Plastic and paper bags Plastic and glass bottles Plastic canister/can Cardboard boxes	219.2279

Table 6 - Site conditions

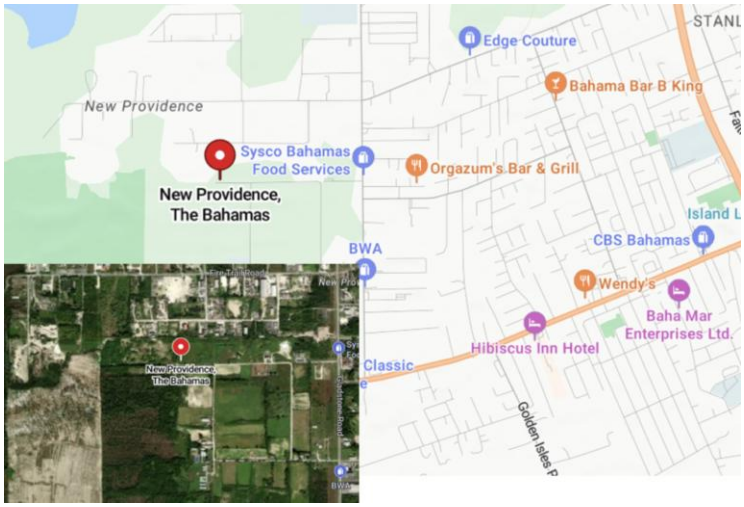
Site conditions	
Status of stored waste	Limited signs of spills
Building conditions	Good, no major signs of damage
Floor conditions	Concrete, moderate or poor quality
Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 7 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Floods, Forest fires, Hurricanes

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	School
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	No
Proximity of crops or pastures within 250	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









BS-03 Lynden Pindling International Airport (LPIA) Fire Services (25°02'38.4"N 77°27'43.2"W)

The LPIA Fire Station, managed by the Nassau Airport Development Company (NAD), was renovated in the 2020's and consists of offices and three (3) bays with trucks and storage. The site has concrete floors and warehouse type metal roof bays.

Table 8 - Inventory List of Relevant Waste Streams at the Site

Type of waste	Name of Foam	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (l)
AFFF	Chemguard 3%	In warehouse	Unopened	2	Blue 55 gal plastic drum	416.35
AFFF	Chemguard 3%	In warehouse	Unopened	4	White 265 gal tote	4,012.1
AFFF	Chemguard 3%	In Truck	In Tank	1	210 gal tank	794.85
AFFF	Chemguard 3%	In Truck	In Tank	3	420 gal tank	4,769.1
TOTAL						9,992.4

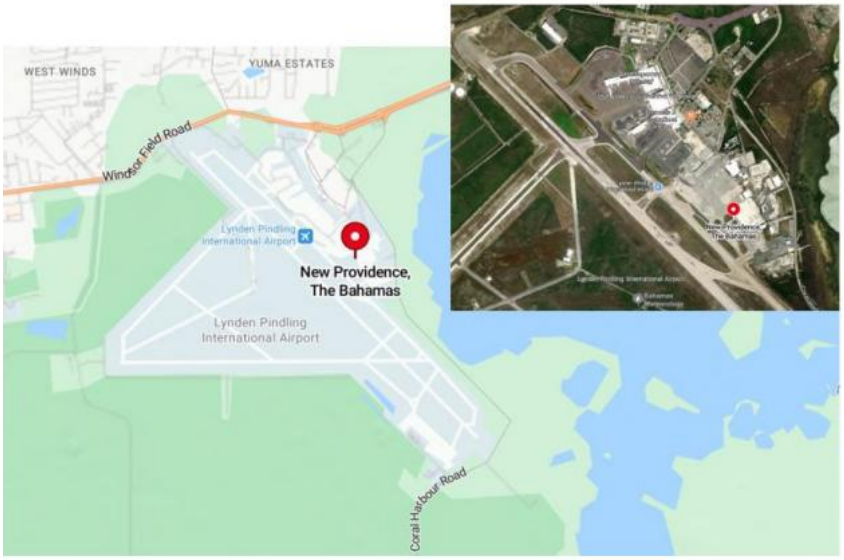
Table 9 - Site conditions

Site conditions	
Status of stored waste	No signs of spills
Building conditions	Good, no major signs of damage
Floor conditions	Concrete, good quality
Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 10 – Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Flood, Hurricanes
Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 500 m
Proximity to residential area	Yes, within 500m
Proximity of public facilities within 500 m	Airport
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	Lake
Proximity of crops or pastures within 250	Yes
Proximity of Food or Feedstuff Storage within 250 meters	Yes
Location within Recreational Area or National Park	Yes

Figure 3. Map with Geographical Setting of the site



Site Layout

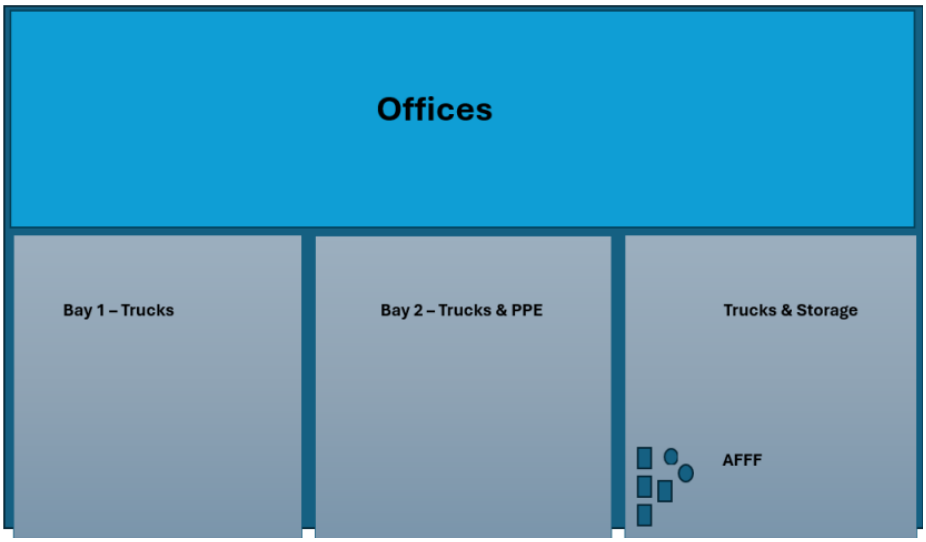
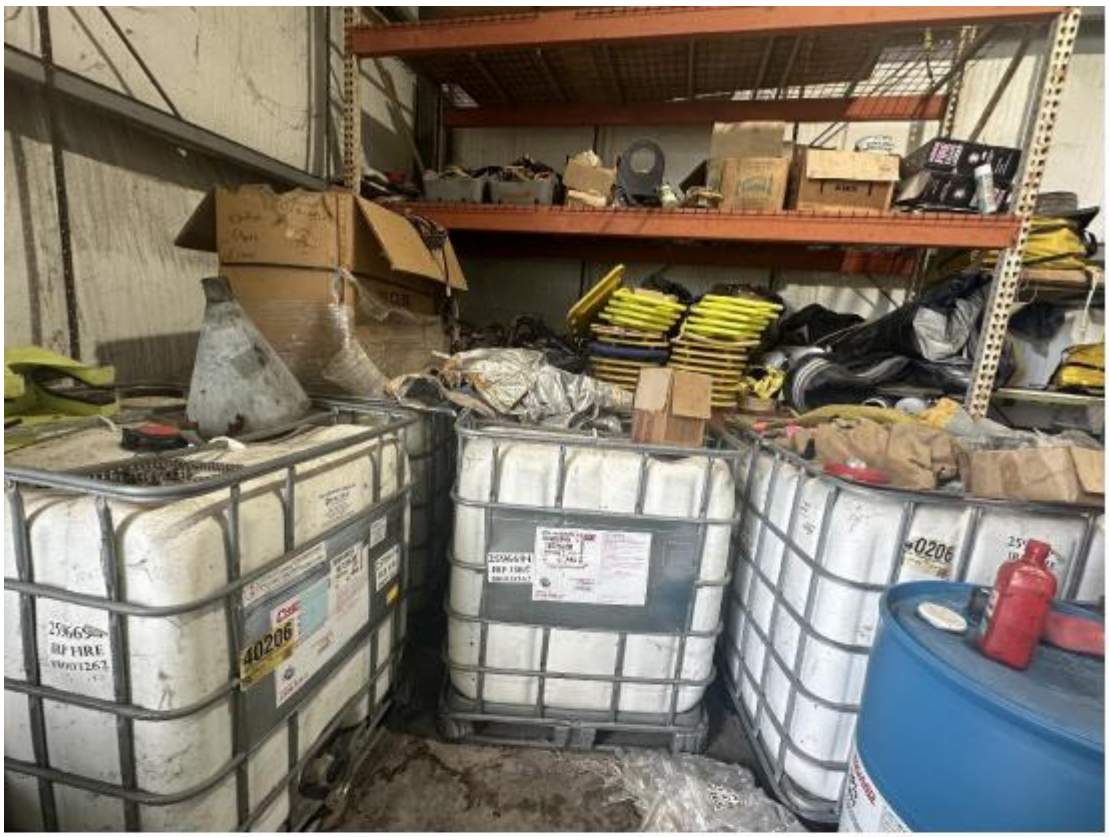


Photo report of the site






4




2596694
IRP HIRE



BS-04 Royal Bahamas Police Force (RBPF) Fire Branch Headquarters (25°04'22.8"N 77°20'27.6"W)

The RBPF Fire Services, located at the rear of the RBPF Headquarters, operates under the Ministry of National Security and oversees firefighting efforts throughout the country, but no official records or plans regarding the phasing out of AFFF or an inventory of its usage were documented at the time of the inventory.

Note: The 55-gallon drum is locate at the rear door inside of the dormitory.

Table 11 - Inventory List of Relevant Waste Streams at the Site

Type of waste	Name of Foam	Description	Condition of Packaging	No. of packaging	Type of packaging	Quantity (l)
AFFF	Chemguard 3%	In dormitory	Pump on top	1	55 gal drum	208.175
AFFF	Chemguard 3%	In truck	In tank	4	5 gal	75.7
TOTAL						283.88

Table 12 - Site conditions

Site conditions	
Status of stored waste	No signs of spills
Building conditions	Moderate, needs small upgrade
Floor conditions	Concrete, good quality
Site control	Yes, barbed wire or other border control
Accessibility	Good quality asphalt, suitable for trucks

Table 13 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Hurricanes

Proximity to a chemical factory, flammable materials storage or other industrial hazard	Yes, within 500 m
Proximity to residential area	Yes, inside
Proximity of public facilities within 500 m	Hospital, School
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	Sea
Proximity of crops or pastures within 250	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

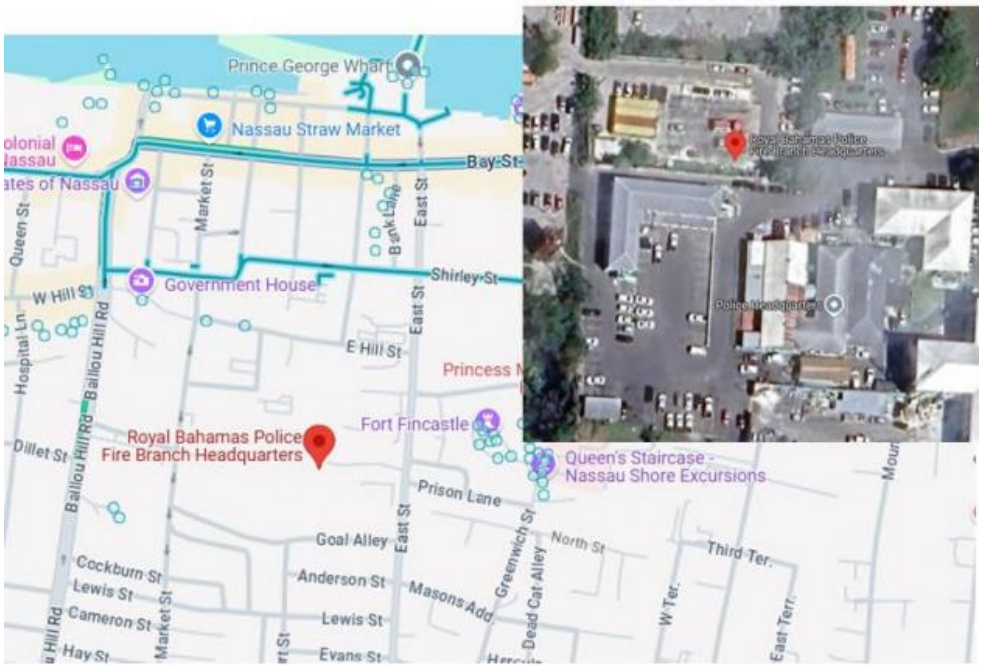
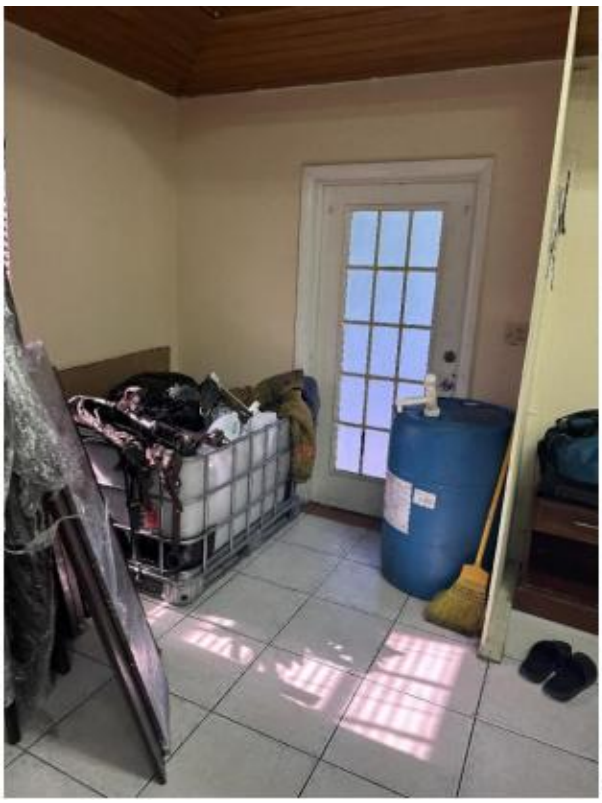


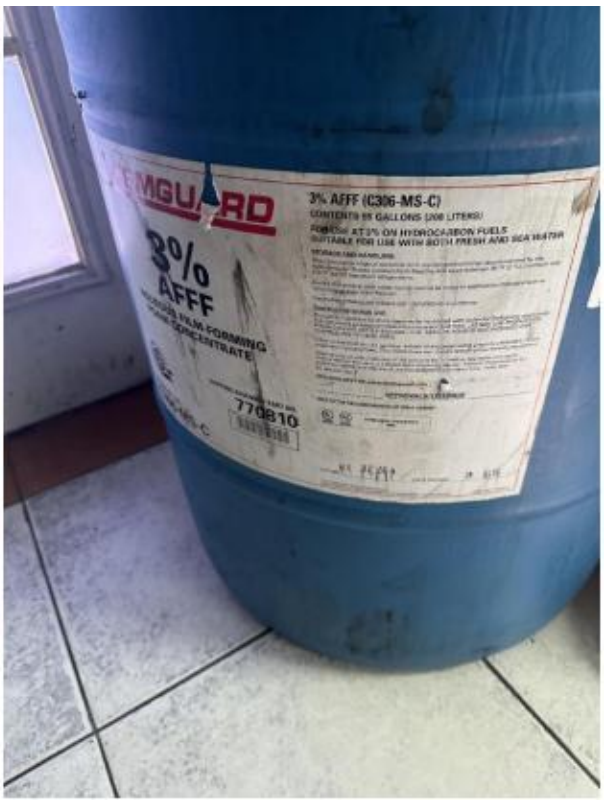
Photo report of the site


ROYAL BAHAMAS POLICE
FIRE SERVICES


POLICE H Q.






3% AFFF (C306-MS-C)
3%
AFFF
770810



BS-05 Bahamas Agricultural and Industrial Corporation (BAIC) (25°04'37.2"N 77°19'19.2"W)

BAIC operates a Fish and Farm Store at Potter's Cay Dock. The store provides various farming equipment such as pesticides, herbicides and fertilizers to local farmers and those on the Family Islands. The office and front of store contain samples of products on shelves. The inventory is housed at the rear in a warehouse and storage rooms. Most of the products are in boxes and in good shape. Some powder and granules have some spillage.

Table 14 - Inventory List of Relevant Waste Streams at the Site

Company Name	Active Ingredient	State	Chemical Type	Condition of Inner Packaging	No. of Units	Type of packaging	Quantity (l)
Southern AG	Spreader Sticker	Liquid	Binder	Good	6	Bottle - PE	24
Control Solutions	Bifen	Liquid	Insecticide	Good	10	Bottle - PE	22
Control Solutions	Bifen	Liquid	Insecticide	Good	4	Bottle - PE	3
Southern AG	Liquid Iron	Liquid	Fertilizer	Good	12	Bottle - PE	29
FMC	Talstar (Bifenthrin)	Liquid	Insecticide	Good	4	Bottle - PE	50
UPL	Topsin	Solid	Insecticide	Good	20	Bag – Plastic	50
Valagro	Ferrilene	Solid	Fertilizer	Good	8	Bag – Plastic	160
Valagro	Brexil	Solid	Fertilizer	Good	8	Bag – Plastic	152
Southern AG	Liquid Copper Fungicide	Liquid	Insecticide	Good	12	Bottle - PE	52

Amdro	Fire Ant Bait (Hydramethyl)	Solid	Insecticide	Good	12	Bottle - PE	6.8
Amdro	Fire Ant Bait (Hydramethyl)	Solid	Insecticide	Good	12	Bottle - PE	31
Extinguish	Fire Ant Bait (Hydramethyl)	Solid	Insecticide	Good	8	Bottle - PE	26
Gordons	Amine 400 2,4-D	Liquid	Herbicide	Good	5	Bottle - PE	34
Drezel	Atrazine	Liquid	Herbicide	Good	4	Bottle - PE	16
Southern AG	Grubs Away	Solid	Insecticide	Good	50	Bag - Plastic	301
Southern AG	Permetrol	Solid	Insecticide	Good	50	Bag - Plastic	301
Southern AG	Malathion 50%	Liquid	Insecticide	Good	4	Bottle - PE	30
Southern AG	Malathion 50%	Liquid	Insecticide	Good	12	Bottle - PE	68
Fermenta	Dacthal W-75 (DCPA)	Solid	Herbicide	Good	19	Bag - Paper	35
Southern AG	Slug & Snail Bait	Solid	Insecticide	Good	12	Bag - Plastic	109
Southern AG	Dithane M-45	Solid	Insecticide	Poor	89	Bottle – PE	15
Ramik	Ramik Rat bait	Solid	Insecticide	Good	60	Bag - Plastic	46
TOTAL							1,560.8

Table 15 - Site conditions

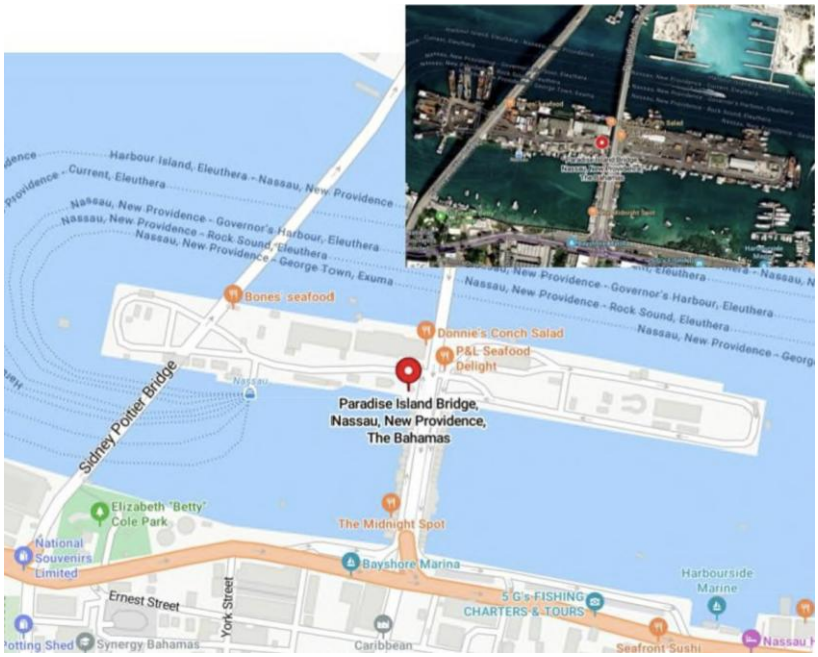
Site conditions	
Status of stored waste	Limited signs of spills
Building conditions	Moderate, needs small upgrade

Floor conditions	Concrete, moderate or poor quality
Site control	Yes, (partially) fenced with gates
Accessibility	Good quality asphalt, suitable for trucks

Table 16 - Site Geographical Setting

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

Figure 5. Map with Geographical Setting of the site



Site Layout

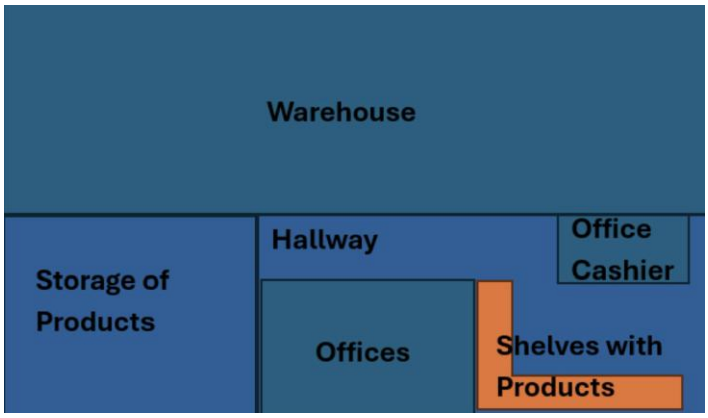


Photo report of the site





BS-16 Grand Bahama Power Station

The transformers are found to be well contained and awaiting final disposal

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 (l)
PCB					625

BS-17 Bahamas Agriculture and Marine Science Institute (BAMSI) (24°57'48.6"N 78°01'22.5"W)

At the North-Andros Bahamas Agriculture & Marine Science Institute (BAMSI) significant quantities of obsolete pesticides are stored in a poorly ventilated container. Several pesticides have started to leak and the floor is impacted by the pesticides.

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)
Obsolete pesticides					1,067

Table 27 - Site conditions

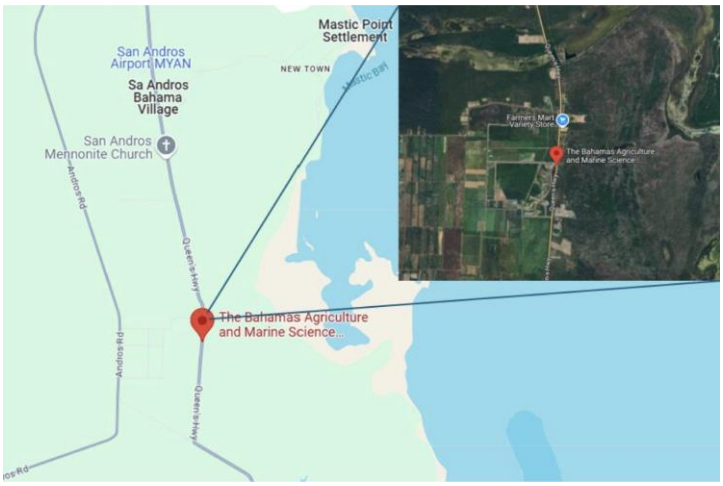
Site conditions	
Status of stored waste	Limited signs of spills
Building conditions	Good, no major signs of damage
Floor conditions	Bricks
Site control	Yes, (partially) fenced with gates
Accessibility	Gravel road, suitable for trucks

Table 28 - Site Geographical Setting

Site Geographical Setting	
Potential natural disasters	Hurricanes
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	School
Proximity of groundwater wells within 250 m	Yes
Proximity of open water within 500 m	No

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

Figure 6. Map with Geographical Setting of the site



Site Layout

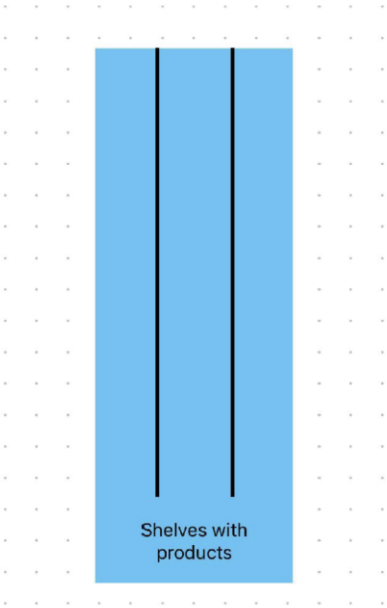


Photo report of the site



