

Oily Waste Disposal Sites

December 2021



Backgrounder

Provincial Crown Sites

Kurdistan (1979)

Forchu, Richmond County – Details: 126,240 polyethylene bags of bunker C, sea water and oiled debris. Four trenches, 3-3.5 metres deep, capped with clay. Investigation (2010) included four monitoring wells and two surface water stations established beyond the disposal area footprint. No contamination identified above guideline values.

St. Peters, Richmond County – Details: 202,000 polyethylene bags, 40 drums (204 litres each), 5,000 pounds of mackerel, and 2,000 gallons diesel fuel and solvents. Four trenches, 3–3.5 metres deep, capped with soil. Investigation (2010) included six monitoring wells and one surface water station established beyond disposal area footprint. No contamination identified above guideline values.

Hadleyville, Guysborough County – Details: 69,532 polyethylene bags bunker C, sea water, oily debris. Three trenches, 3–3.5 metres deep, capped with clay. Investigation (2010) included four monitoring wells and one surface water station established beyond disposal area footprint. No contamination identified above guideline values. Currently being assessed by Natural Resources and Renewables.

Arrow (1970)

Little Dover (Coastal Barrens Wilderness Area), Guysborough County – Details: Volume estimated at 5,000 cubic metres. Placed directly on bedrock and capped with soil. Investigation (2010) included four monitoring wells and two surface water stations established beyond disposal area. No contamination identified above guideline values (some inorganic parameters in surface water). Additional assessment in 2017–18 included three additional monitor wells, 11 test pits and sampling at two surface water stations, after which site entered the **Contaminated Sites Regulations**. Environment and Climate Change is responsible for this site.

Fox Island, Guysborough County - Details: Volume estimated at 4,500 cubic metres. Placed on ground surface and capped with soil. Investigation (2010) included three monitoring wells and one surface water station established beyond disposal area. No petroleum contaminants identified above guideline values (some inorganic parameters above guidelines in surface water).

Sand Point, Guysborough County – Details: Estimated at 25,708 tons. Little information on how material was disposed (suspect dug pit capped with soil). Investigation (2010) included 20 test pits within and around disposal area. Contamination in soil at one location above guideline for protection of potable groundwater. Additional assessment in 2017–18 included seven monitoring wells and sampling at two surface water stations, after which the site entered the ***Contaminated Sites Regulations***. In April 2021, three additional shallow groundwater monitoring locations were installed within the boundaries of the disposal site.

Evanston (Doyle Road), Richmond County – Details: Estimated at 6,104 tons. Little information on how material was disposed (suspect loose and bagged material covered with soil). Assessment in 2017–18 included five monitoring wells, 13 test pits and sampling at three surface water stations, after which site entered the ***Contaminated Sites Regulations***.

MacIntyre Lake, Richmond County – Details: Unknown volume; site was only used for one day of disposal activity. Bunker C and seaweed. Drums emptied at the site. NRR currently assessing to determine if it should enter the ***Contaminated Sites Regulations***.

Janvrin Island, Richmond County – Details: Estimated at two tons. Loose material. Pit excavated, capped with siltclay. Investigation (2010) included 19 test pits within and around disposal area. No contamination identified above guideline values.

Municipal Sites

Municipal sites associated with the Kurdistan (one also has material from Arrow noted below):

Lincolville Landfill, Guysborough County – Details: Five tandem loads of oily debris, 25 tons of Bunker C and 30 barrels of Bunker C disposed in 15,000 bags. Placed with domestic garbage within an open trench. Covered with 3–3.5 meters of garbage prior to closing the trench.

West Arichat (Port Royal Dump Site), Richmond County – Details: From Arrow, approximately 2,000 tons of Bunker C, sea water and oiled debris in polyethylene bags, and 215,000 gallons of Bunker C and seaweed. Bagged material was covered with contaminated sand and gravel removed from beaches. From Kurdistan, 5,000 polyethylene bags of Bunker C, sea water and oily debris. Kurdistan material was placed in a pit excavated in the same location as the Arrow disposal site and covered with soil.

L'Ardoise Dump Site, Richmond County – Details: Estimate 97,370 polyethylene bags of Bunker C, dead birds and beach sediment. Material disposed in two trenches, capped with soil. Second trench is on adjacent private land.

Woodbine Landfill, Cape Breton County – Details: Estimated 187,320 polyethylene bags and 881 drums of Bunker C, dead birds and beach sediment. Bagged material was disposed of in main trench along with domestic garbage and covered with onsite fill. Drums placed in a second trench and covered with onsite fill.

Federal Crown Sites

(Kurdistan)

Glace Bay (MacIntyre Road Dump Site), Cape Breton County – Details: Estimated 97,370 polyethylene bags and 396 drums of Bunker C, dead birds and beach sediment. One large pit excavated, 2–3 metres in depth. Covered with soil and seeded with grass.

Glace Bay (Atomic Energy Commission Limited heavy water plant, Donkin-Morion Highway), Cape Breton County – Details: Bags of debris picked up along the shore of this property were disposed of elsewhere. Oiled debris (mostly scrap metal from the previous plant which had been partly torn down and buried) was disposed of in trenches on this property. Three trenches, approximately 1–1.5 metres deep and covered with fill.

Private Sites

Brogan Coal Strip Mine (Kurdistan) – Details: Estimated 27,128 polyethylene bags Bunker C, dead birds, and beach sediment. Bags disposed of within exhausted coal workings area while being backfilled/reclaimed.

L'Ardoise, Richmond County (See L'Ardoise Dump Site above)

Ownership to be confirmed site

L'Ardoise (Old Dump Road), Richmond County (Arrow) – Details: Estimated 1,223 tons (some in polyethylene bags with remainder in unspecified containment). Material believed to be disposed of at ground surface and covered over with soil.