

## HARRISON SUB-RESIDENCY FIELD INSPECTION

**Names of Inspectors:** Christopher Kappeller, Gretchen Fitzgerald

**Date:** 5/3/13

### Semi-Annual

#### Inspect monitoring wells

\*check concrete collars, protective casings, caps and locks for damage

#### **Findings:**

All wells were inspected and found to be in good condition.

#### Inspect landfill cap (including cap vegetation)

\*check for signs of erosion (rills, channels, ponding)

\*check for signs of vector and vermin damage (holes/tunnels)

\*check for the presence of woody vegetation (small trees) - remove any that are found

#### **Findings:**

Grass height was good at the time of inspection (Photo #10).

The soil slump on west slope of landfill was repaired in May 2009 by NYSDOT Residency 8-9 personnel. The repaired area is still in good condition (Photos #13 & 14), but old vegetation should be weed-wacked during the next mowing event.

#### Inspect gas vents

\*check for physical damage (cracks)

\*check for soil cracking adjacent to the vents - use additional soil to seal the full depth of the crack

\*check for blockages inside the vents - clear vent with a non-metallic probe (snake)

\*check for movement of the gas vent riser - repair (by Contractor) any geomembrane damage in the vicinity of the gas vent

**Findings:**

Four vents (V1 - V4) were inspected and generally found in good condition (neither cracks nor movement was observed) (Photos # 1-4). V-2 leans slightly to the north.

**Inspect perimeter fence, gates, and signs**

\*check for damage - restore damaged fencing and illegible signs

**Findings:**

The south fence near the landfill gate appears to be in fair condition. (Photo #12)

**Twice a year during growing season** (end of June to Mid-September)

Mow cap grass to a height of no lower than 15 cm

**Findings:**

The entire grass cover of the landfill was last mowed in September 2012. The cap should be mowed every June and September.

**Comments/Follow-up Work Required**

**Carryover from last inspection**

1. The cap should continue to be mowed every June and September.
2. Old vegetation in the area of the west slope repair should be removed during the next cap mowing.

**Additional Comments**

1. The well keys are in the office desk. The main gate to the facility is currently locked by on-site personnel at the end of the day. The gate to the landfill is kept closed and locked.
2. The trails leading to the wells in the wetland area should be trimmed during the next mowing event.
3. The NYSDOT Construction Environmental Coordinator (CEC) obtained a spare key to the front gate from the town of Harrison in case DOT needs access to the site when town employees are not onsite.



Photo 1: Vent V-1



Photo 2: Vent V-2





Photo 3: Vent V-3



Photo 4: Vent V-4





Photo 5: Well LMW-2



Photo 6: Well LMW-4





Photo 7: Well PC-1 (with broken key in lock)



Photo 8: Well PC-2





Photo 9: Well MW-11



Photo 10: Grass on landfill cap





Photo 11: Stream inlet



Photo 12: South fence damage (looking east)





Photo 13: West slope erosion area repair (looking north)



Photo 14: West slope erosion area repair (looking south)