

## HARRISON SUB-RESIDENCY FIELD INSPECTION

**Name of Inspector(s):** Christopher Kappeller

**Date:** 11/8/11

### Semi-Annual

#### Inspect monitoring wells

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

#### **Findings:**

All wells that were visible were inspected and in satisfactory condition and all steel well casings are secured with locks.

LMS-4 could not be located at the time of the inspection. Heavy snow and wind from an October 2011 snowstorm flattened the dense phragmites over the area of the well. An attempt to clear debris from over the well will be made during the winter when the water and mud freezes up in that area (Photo # 6 & 7).

#### 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. The cap was mowed on 11/7/2011 (Photo #15). Continue to mow cap in June and October to control grass height.

The soil slump on west slope of landfill was repaired in May 2009 by NYSDOT Residency 8-9 personnel. Area repair is still in good condition (Photo #18 & 19) but old vegetation should be weeded in the spring..

Area of orange iron bacteria staining and floating organic film on water exists near the area just east of PC-2 repair (Photo #20). No questionable odors were noted.

#### 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 (visually unlocked, neither cracks nor movement was observed) (Photos # 1-4). V-2 shows a slight lean to north.

Inspect perimeter fence, gates, and signs

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

**Findings:**

Damage to the south fence present near the landfill gate during the last inspection, was patched by Town of Harrison DPW. (Photo #17)

**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:**

Entire grass cover of the landfill was last mowed the day before the inspection on November 7, 2011. The cap should be mowed in June and in October.

**Comments/Follow-up Work Required**

Carryover from last inspection

1. None

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. Debris will have to be removed from the top of MW-Well LMS-4 in the winter to expose the well. Old vegetation should be removed in the area of the west slope repair.



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 area (looking northwest)





Photo 7: Well LMW-4 area (looking southwest)



Photo 8: Well PC-1 appears in good condition (couldn't get close to well due to debris and high water).





Photo 9: Well PC-2



Photo 10: Well MW-11





Photo 11: Well MW-12



Photo 12: Well MW-13





Photo 13: Well GP-1



Photo 14: Well GP-2





Photo 15: Grass on landfill cap



Photo 16: Stream inlet





Photo 17: South fence damage repaired (looking east)



Photo 18: West slope erosion area repair (looking north)





Photo 19: West slope erosion area repair (looking south)



Photo 20: Orange staining near PC-2