

HARRISON SUB-RESIDENCY FIELD INSPECTION

Name of Inspector(s): Chris Kappeller

Date: 11/12/10

Semi-Annual

Inspect monitoring wells

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

Findings:

All wells were inspected and in satisfactory condition. Locks were added to wells that were missing them. All wells currently have locks.

A downed tree blocks the path to access PC-2. Tree needs to be cut up and cast to the side of the path.

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 #14).

The soil slump on west slope of landfill was repaired in May 2009 by NYSDOT Residency 8-9 personnel. Repaired area is still in good condition (Photo #19).

Fallen tree on the cap near the northwest corner was cut up and removed.

Area of orange iron bacteria staining and floating organic film on water exists near the area just east of PC-2 repair (Photo #22). 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 unblocked, neither cracks nor movement was observed) (Photos # 1-4). V-2 shows a slight lean to the north. The BB-sized hole in vent V-1 was filled in with epoxy. This appeared to be insect damage based on other markings on the vent.

Inspect perimeter fence, gates, and signs

*check for damage - restore damaged fencing and illegible signs

Findings:

Downed tree over on northwestern portion of landfill cap from March 2010 storm was removed (Photo #16)

Fence damage by fallen tree (near stream inlet – northeast of landfill cap) was partially repaired (Photo #17)

A longer chain and lock added to the gate to the landfill to secure it better (Photo #20)

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 mowed in October 2010.

Comments/Follow-up Work Required

Carryover from last inspection

1. The door to the gate on the south side of the landfill was supplied with a lock and longer chain to secure it.
2. Dead tree that partially blocks access PC-2 needs to be removed.
3. New locks were installed on wells LMW-2, MW-11, and MW-12.
4. Small hole in V-1 was repaired.
5. Inspections have been changed from quarterly to semi-annually with permission from DEC (letter dated February 2010).

Additional Comments

1. The landfill gate key and the keys to the well locks are in the facility office desk (left drawer). The main gate to the facility is currently locked by on-site personnel at the end of the day.



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



Photo 8: Well PC-2 (covered with downed tree limbs)



Photo 9: Well MW-11



Photo 10: Well MW-12



Photo 11: Well MW-13



Photo 12: Well GP-1



Photo 13: Well GP-2



Photo 14: Grass on landfill cap



Photo 15: Stream inlet



Photo 16: Fallen tree removed off fence (near stream inlet – northeast of landfill cap)



Photo 17: Fence partially repaired (near stream inlet)



Photo 18: South fence (looking east)



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



Photo 20: Landfill gate with locking chain



Photo 21: Orange staining near PC-2



Photo 22: Orange staining and organic film near PC-2



Photo 23: Downed tree removed from northwestern portion of landfill cap.