

HARRISON SUB-RESIDENCY FIELD INSPECTION

Name of Inspector: Chris Kappeller

Date: 4/29/11

Semi-Annual

Inspect monitoring wells

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

Findings:

All wells were inspected. During DOT's 5th quarter sampling event in April 2011, the key broke off in the lock for PC-1; the casing was cut with a hacksaw and the cap was replaced. There is currently no lock on this well (Photo #7).

A downed tree blocked the path to access PC-2. Made a new path to access this well.

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). Mow cap in June and October.

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 (Photos #19 & 20).

Area of orange iron bacteria staining and floating organic film on water exists near the area just east of PC-2 repair (Photo #21). 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:

Fence damage by fallen tree was repaired (near stream inlet – northeast of landfill cap) (Photos #16 & 17)

There is damage to the south fence near the landfill gate. The Harrison DPW will be contacted, since they caused the damage from the on-site activities they are involved with. (Photo #18)

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 in October 2010. The cap will be mowed in June and in October of each year.

Comments/Follow-up Work Required

Carryover from last inspection

1. None

Additional Comments

1. The landfill gate key and the keys to the well locks are in the facility office desk. The main gate to the facility is currently locked by on-site personnel at the end of the day.
2. Contact Harrison DPW regarding the damage to the south fence.



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 and repairs were made
(near stream inlet – northeast of landfill cap)



Photo 17: Fence repaired (near stream inlet)



Photo 18: South fence damage (looking east)



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



Photo 20: West slope erosion area repair (looking south)



Photo 21: Orange staining near PC-2