

From: **Self <NRONA01/N1NW353>**
To: **n1nw328, n1nw351**
Subject: **Jackson County Landfill**
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Jackson Co. Landfill (Permit #50-02) is an unlined, closed, Subtitle D facility. Site visit conducted 5/19/99. Met and conducted site visit with Jay Denton (Co. Commissioner Chairman & Co. Manager), Conrad Burrell (Co. Commissioner), Chad ~~B~~ ^{Parker} (Co. Environmental Specialist), Jim McElduff & Stu Ryman (Fletcher Group).

Monitoring Locations: MW-1, 2, 3, 4, 5, GP-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11S, 11I, 11D, 12S, 12D, 13S, 13D, 14S, 14D, 15S, 15D, 16S, 16D, 17, 18.

Sampling results confirm GW contamination at and probably beyond property boundary. Co. is trying to ascertain 1) if LFG is the primary cause, 2) the extent of the plume(s) 3) if there has been any effects on potable supplies in the area, 4) the presence of a source other than the Lf. in the area and 5) if flow is not toward Western Builders but to the Tuckasegee River, could dispersion explain the presence of contaminants in the WB MW.

Corrective action approaches thus far have been the installation of shallow LFG cutoff trenches on the N and SW sides of the Lf. The Co. wants to monitor the gas probes (GP) and the MWs until late fall to see if the trenches are having an effect on gas migration. The LFG trenches were designed to be 4-6' in depth. However, a Co. employee (*Chad Parker*) who was present a short time during trench excavation on the SW side of Lf. said the trenches were only 2' deep. At this depth, the trenches are probably too shallow to cut off much of the LFG migrating laterally.

Additional assessment activity in the interim will include 1) VOC analysis on the LFG probes, MWs and in structures on the Western Builders property, 2) monthly water table readings to develop a better understanding of GW flow around the perimeter on the landfill and 3) GW samples to examine if any trends are emerging.

The results from potable wells have all been ND.

The Co. is presently negotiating with an adjacent property owner (Western Builders) to purchase the property SE of the landfill where offsite contamination (LFG & GW) is suspected.