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***Transmitted via U.S. mail and email to:***
***troy.harrison@ncdenr.gov***

October 19, 2010

Mr. Troy Harrison
Environmental Senior Specialist
North Carolina DENR
Division of Waste Management
Asheville Regional Office
2090 U.S. Highway 70
Swannanoa, NC 28778

Subject: Explosive Gas Preliminary Study
Closed Fontana Village Resort Landfill
Asheville, North Carolina

Dear Mr. Harrison:

On behalf of the Fontana Village Resort, Altamont Environmental, Inc. (Altamont) is responding to the request for a preliminary study of explosive gases at the Fontana Village Resort Landfill (landfill).

The landfill is a closed municipal solid waste landfill that ceased accepting waste on April 9, 1990. The *Facility Compliance Audit Report* dated July 30, 2010 conducted by yourself and mailed on August 25, 2010 from the North Carolina Department of Environment and Natural Resources Solid Waste Section (SWS) stated, "a preliminary study should be conducted to determine if the landfill is generating explosive gas within 60 days of receipt of this report."

Altamont contacted yourself and Mr. Zinith Barbee of the SWS on October 5, 2010 to discuss the protocol for the landfill gas preliminary study at the site. This letter outlines proposed measures to conduct the preliminary study to determine if the landfill is generating explosive gas.

*Preliminary Evaluation of Explosive Gases*
Altamont proposes conducting an air-space evaluation similar to protocol found in the August 2010 guidance document of the Division of Waste Management's *Guidelines for Addressing Pre-Regulatory Landfills and Dumps.* Although the landfill is not currently under the jurisdiction of the Inactive Hazardous Sites Branch, this guidance document provides monitoring protocol to determine the risk of outdoor exposure at closed landfills.

This air-space evaluation consists of establishing a 100-foot grid across the landfill in preparation for field work. Field instrumentation, such as an RKI Eagle 5-Gas Meter will be used to obtain measurements of explosive gases at the ground surface.

Barometric pressure readings will be collected using an air velocity meter or similar instrument every hour. Measurements for the above list will also be collected at an upwind location within close proximity to the landfill.

Flagging will be placed at each grid point with detectable concentrations of any explosive gas. Furthermore, areas of stressed vegetation will be noted. A site map showing the measurement grid as well as the locations, with GPS coordinates, of any detectable concentrations will be provided.

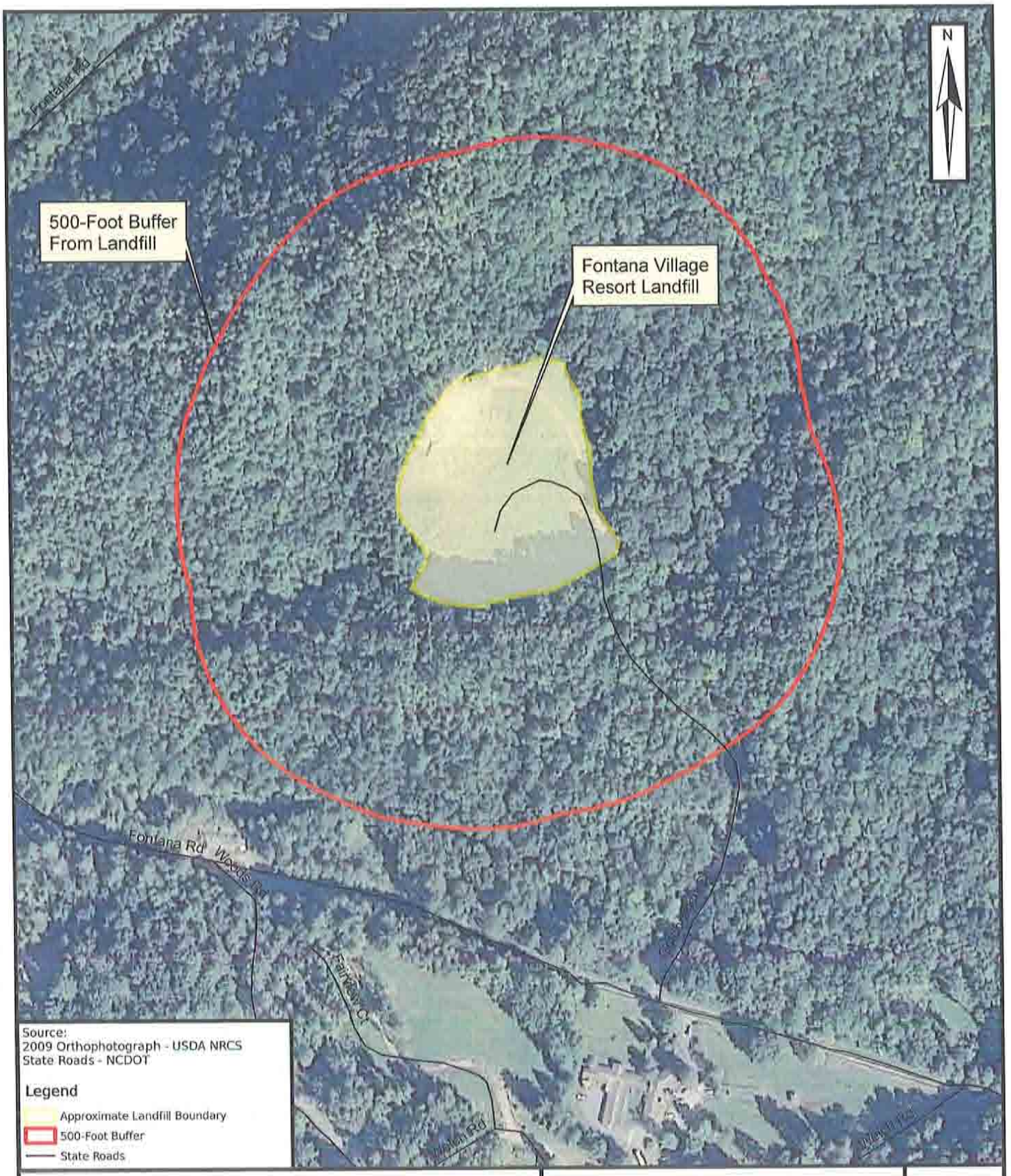
The landfill ceased receiving wastes in 1990 and the nearest building is over 1,000 feet from the landfill. The attached Figure 1 demonstrates the location of the landfill, and where a 500-foot buffer lies within the approximate edge of waste. Therefore, an investigation into the possibility of subsurface vapors from wastes or contaminated groundwater to migrate into existing or future structures is not proposed during this preliminary study.

Mr. Harrison, thank you for your consideration of the information above. Please consider this letter as a response within the 60 days of the receipt of the Facility Compliance Audit Report that was mailed on August 25, 2010. If you have questions or would like additional information, please feel free to contact me.

Sincerely,
**ALTAMONT ENVIRONMENTAL, INC.**

Paul Dow, PE

Cc: Ms. Jeannie Stewart – Fontana Village Resort
Mr. Allen Gaither – NC DENR SWS

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Drawn By: Anna Saylor
Project Manager: Paul Dow
Client: Fontana Village Resort
Date: 10/18/2010

Scale
0 75 150 300 Feet

# SITE MAP

FONTANA VILLAGE RESORT LANDFILL
CLOSED MUNICIPAL SOLID WASTE LANDFILL
GOLDBRANCH COURT
FONTANA DAM, GRAHAM COUNTY,
NORTH CAROLINA

FIGURE
1

P:\Fontana Village Resort\Figures\GIS\Figure 1.mxd