



SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

NEW MEXICO  
ENVIRONMENT DEPARTMENT

*Ground Water Quality Bureau*

1190 South St. Francis Drive (87505)  
P.O. Box 5469, Santa Fe, New Mexico 87502-5469  
Phone (505) 827-2900 Fax (505) 827-2965  
[www.env.nm.gov](http://www.env.nm.gov)



BUTCH TONGATE  
Cabinet Secretary

J.C. BORREGO  
Deputy Secretary

August 28, 2018

Shirlene Sitton, Director  
Public Utilities Department  
City of Santa Fe  
801 West San Mateo Road  
Santa Fe, NM 87504

**RE: Phase II Environmental Site Assessment Report Approval, Former Frank Ortiz  
Landfill, City of Santa Fe, New Mexico**

Dear Ms. Sitton:

The New Mexico Environment Department (NMED) has reviewed the report prepared by INTERA Geosciences and Engineering Solutions, Inc. (INTERA) titled *Phase II Environmental Site Assessment, Former Frank Ortiz Landfill, Santa Fe, Santa Fe County, New Mexico* (Report) dated July 30, 2018, for the former Frank Ortiz Landfill (Site), located in Santa Fe County, New Mexico. The Report presents the results from the following field activities completed between June 12, 2017 and July 14, 2017:

- Investigative excavation of 24 test pits located within the footprint of the Site;
- Hollow-stem auger drilling and sampling of 27 exploratory soil borings;
- Installation of three temporary and nested soil vapor monitoring wells; and
- Collection of a single soil vapor sampling event.

The results presented in the Report include refinement of the Conceptual Site Model (CSM) that includes the geometry and components of the landfill, as well as delineation of the nature and extent of waste. Site investigation results indicate that soil vapor contamination at concentrations greater than NMED residential Vapor Intrusion Screening Levels (VISLs) exist at the Site; although, contamination does not appear to be adsorbed in the soil. The contaminants of concern identified in the soil vapor include: benzene, ethylbenzene, vinyl chloride, and trichloroethene (TCE). No investigation of potential impacts to groundwater was completed in this phase of work.

The Report includes the following proposal:

- Installation of three groundwater monitoring wells downgradient to the Site;
- Completion of new wells as groundwater monitoring wells coupled with three soil vapor ports – one shallow, one intermediate, and one deep;

Ms. Shirlene Sitton  
August 28, 2018  
Page 2 of 2

- Installation of a soil vapor well with three soil vapor ports (one shallow, one intermediate, and one deep), adjacent to existing groundwater monitoring well, Ortiz Park-1;
- Collection of eight soil samples during well installation to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), NMED-designated metals (i.e., arsenic, barium, cadmium, chromium, lead, selenium, silver, uranium, copper, iron, manganese, zinc, aluminum, boron, cobalt, molybdenum, and nickel), polychlorinated biphenyls (PCBs), and nitrate/nitrite
- A single soil vapor monitoring event collecting samples from all site vapor wells to test for the presence and concentration of landfill gases (methane and hydrogen sulfide) and VOCs; and
- A single groundwater monitoring event collecting samples from all site groundwater monitoring wells and analyzing for VOCs, SVOCs, NMED-designated metals, PCBs, and nitrate/nitrite.

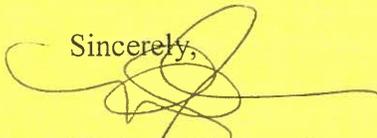
The proposal is hereby approved, pursuant to Section 4109 of the New Mexico Ground and Surface Water Protection Regulations (20.6.2 NMAC).

Please be advised that City of Santa Fe is required, pursuant to Section 20.6.2.4110 NMAC, to conduct all investigation, abatement, monitoring, and reporting activity according to the terms and schedules contained in the approved Plan. City of Santa Fe is also subject to Section 20.6.2.4107 NMAC concerning advance notice for sampling, well plugging and abandonment, and NMED rights for entry, inspection, and sampling. NMED approval of this Report does not relieve City of Santa Fe of its responsibility to obtain third-party access and to comply with any other applicable federal, state, and/or local laws and regulations, including zoning requirements and nuisance ordinances.

Any changes to the approved plan must receive prior approval in writing from NMED. If implementation of the approved plan fails to adequately define site conditions and provide the data necessary to select and design an effective abatement option, additional Stage 1 actions may be required. If monitoring data or other information indicates that the abatement is ineffective or is creating unreasonable injury to health, welfare, environment, or property, NMED may require modification of the abatement plan pursuant to 20.6.2.4111.B NMAC.

If you have any questions, please contact Justin Ball, State Cleanup Program Team Leader, at (505) 222-9522. Thank you for your cooperation in this matter.

Sincerely,



Michelle Hunter, Chief  
Ground Water Quality Bureau

cc: Alex Puglisi, City of Santa Fe, [aapuglisi@ci.santa-fe.nm.us](mailto:aapuglisi@ci.santa-fe.nm.us)  
Joe Tracy, INTERA, [jtracy@intera.com](mailto:jtracy@intera.com)  
Justin Ball, Team Leader, ROS-SCP  
ROS Reading File