



# PINE HILLS LANDFILL REGULATORY SUPPORT

## PROJECT DESCRIPTION

Applied Ecology, Inc. (AEI) provided regulatory support to Orange County Risk Management (OCRM) and Orange County Public Works Engineering Department (OCPW-ED) with the Site's Postclosure / Corrective Action Permit and with moving the Site towards regulatory closure. AEI assisted with negotiations with FDEP in an attempt to terminate postclosure care and move the site towards a risk-based closure for the groundwater unit under Chapter 62-780 F.A.C

AEI provided oversight and peer review of the Annual Environmental Monitoring Report in accordance with the requirements of the permit. The report included documentation of the annual monitoring event in which groundwater samples were collected from 24 wells for analysis of arsenic (As), iron (Fe), manganese (Mn), thallium (Tl), total dissolved solids (TDS), and required field parameters. Water levels were collected from 31 wells/piezometers within one 24-hour period prior to the collection of groundwater samples.

The report included the following principal elements:

- Brief overview of the monitoring program and permit requirements.
- Groundwater level information including potentiometric surface contour maps.
- Groundwater quality data, including tabular data and figures with estimated plume extents.
- Groundwater quality evaluation including indicator parameters, detections, exceedances, trend analyses, and a summary of historical detections and exceedances.

AEI also assisted with initial development of a conceptual site model (CSM) for the Site, including the history and current status of the Site, in order to assist the FDEP with making decisions regarding the path forward for the Site.

## OUTCOMES

AEI provided the support that OCRM and OCPW-ED needed. AEI's negotiations were well-received by the FDEP, and FDEP accepted the Annual Environmental Monitoring Report.

## PROJECT DETAILS



### PROJECT CLIENT:

Orange County Risk Management Division  
via Environmental Consulting & Technology,  
Inc. (ECT)

### PROJECT LOCATION:

Orange County, FL

### SERVICE LINE AREAS:

-  Environmental Compliance
-  Contamination Assessment

### EXPERTISE:

- Landfill Site Closure
- Regulatory support
- Permit Monitoring Support
- Trend Analyses and Exceedance Testing
- Conceptual Site Model