



### Project

Anable Basin Development Project  
Community District 2  
Long Island City, Queens, NY, USA

### Application

Site Remediation

### Scope

Continuous, real-time perimeter air monitoring, downwind and upwind, during the stabilization of a bulkhead containing historic fill.



### Equipment and services

2 x Aeroqual AQS 1 monitors  
Aeroqual OneView Software  
VOCs / PM<sub>10</sub>

### Consultants

Langan Engineering and  
Environmental Services, Inc.

### Equipment Partner

Specto Technology

### Date

April 2024 - current

## Anable Basin Development Project

Langan, a leading engineering and environmental consulting firm, was engaged to oversee the environmental aspects of a complex waterfront bulkhead stabilization project as part of the Anable Basin Rezoning and Development Project.

As part of the stabilization process, all remnant materials must be removed, and a temporary access pathway installed to transport excavators and facilitate the stabilization work. Langan developed a Soil and Materials Management Plan (SMMP) to control and document any impacts caused by earth-moving activities.

### Project challenges

The Anable Basin site was accepted into the NYS Brownfield Cleanup Program (BCP), to be investigated and remediated with the oversight of NYSDEC, in consultation with NYSDOH. Remedial investigations of the site have identified contamination of soil, groundwater, and soil vapors related to historical site uses as well as historically placed fill. The primary contaminants of concern are petroleum-related compounds and several metals.

### Using Aeroqual OneView software to auto-generate daily reports

The results of perimeter air monitoring and field observations are packaged into a daily field report and shared with the New York State Department of Environmental Conservation (NYSDEC). Langan documents all soil imports and exports and progress with the stabilization work, as well as Community Air Monitoring Plan data generated by Aeroqual OneView - Aeroqual's connected air monitoring software for environmental consultants. OneView generates daily reports according to selectable regulatory requirements within the software, automating the reporting process and facilitating easy compliance.

### Project outcome

By employing Aeroqual's integrated solution, Langan is able to monitor site contribution, streamline daily reporting requirements, and execute an effective site air monitoring plan. "The Aeroqual system is all-in-one, so rather than having to switch between devices we've got everything we need right there. The Aeroqual solution is compact and easy to transport, plus the on-demand access to real-time data through the Aeroqual OneView app provides a much smoother experience."

"The automated reports generated by Aeroqual OneView are both comprehensive and easy to read, making daily reporting that much easier and allowing more time for other on-site activities".

**Carli Piretra**  
Environmental Scientist, Langan