

MONITORING

At Matrix we have expertise in developing and implementing soil, surface water and groundwater monitoring programs in order to meet the regulatory terms, conditions and requirements in various jurisdictions. Matrix professionals routinely develop programs to:

- investigate and monitor potential and existing environmental concerns,
- provide timely, documented results that evaluate compliance with appropriate regulatory requirements, and
- determine and maximize the effectiveness of ongoing remediation programs.

Regulatory agencies issue licensing requirements to new and existing industrial facilities for routine monitoring of land and resources to detect potential site-specific environmental problems. Matrix will provide feedback to clients on the adequacy and value of monitoring programs, recommending improvements and modifications to monitoring programs that are in place, if warranted.

As part of monitoring, Matrix will ensure that all environmental commitments, mitigations, and conditions for approvals are met and that work is completed in compliance with applicable environmental regulations. Matrix has conducted numerous monitoring projects at a variety of industrial and upstream oil and gas facilities that include:

- Site-specific monitoring and analytical program design,
- Standard sampling protocols,
- Quality Assurance/Quality Control (QA/QC),
- Data collection, validation and interpretation,
- Historical data management, and
- Reporting.



Soil Monitoring:

- Contaminant assessment
- Soil classification, survey and mapping
- Conservation and reclamation plans and assessment

Surface Water Monitoring:

- Flow and level measurements
- Water quality sampling
- Aquatics effects assessment

Groundwater Monitoring:

- Water quality assessments
- Contaminant assessment
- Aquifer characterization

Biophysical Monitoring:

- Wildlife
- Vegetation and biodiversity
- Restoration and revegetation
- Wetland