

Landfill, Gas Extraction and Leachate Handling

ArcSine Engineering

Founded in 1978, ArcSine Engineering offers electrical, mechanical, and control systems engineering. We have experience in the design of landfill gas extraction and leachate handling facilities. Our designs include programmable controllers (PLC's), mechanical systems, hardwired controls, control of pumps and blowers, communications, SCADA systems, combustible gas monitoring, alarming, electrical power systems, and lighting.

In addition to design, we provide services during construction, submittal reviews, coordination with contractors, on site inspection, and assistance with startup.

Essentials of Gas Extraction and Leachate Designs:

- Knowledge of the Process
- Economics
- Environment
- Resistance to Corrosion
- Safety Hazards
- Utilization of LFG as an Energy Source
- Elimination of LFG Pollution
- Regulatory Requirements

ArcSine excels in the following:

- Providing Customer Service
- Exceeding Customer Expectations
- Quality Control
- Meeting Deadlines
- Cost Control

Our completed landfill, gas extraction and leachate handling accomplishments include:

- Meadow Vista Landfill, Placer County, CA
- Benton Landfill, Redding, CA
- Western Regional Landfill, Placer County, CA
- Trinity County Transfer Station, Weaverville, CA
- Eastern Regional Landfill, Placer County, CA
- Ukiah Landfill, Ukiah, CA
- Black Butte Landfill, Tehama County, CA
- Tehama County Landfill, Tehama, CA
- Waste Management Transfer Station, San Leandro, CA
- Waste Management Leachate System, Anderson, CA
- Yolo County Landfill, Woodland, CA

