



SERVICES

- Landfill Gas Management & Reporting
- Leachate & Wastewater Management and Reporting
- Municipal Solid Waste (MSW) and Construction & Demolition (C&D) Landfill Engineering
- Remote Monitoring Systems
- Industrial Solid Waste Management Plans
- AutoCAD, GIS, and Database Management
- Annual Solid Waste & Landfill Gas Reports
- Permit Compliance & Site Audits
- Surface Emission Monitoring
- Stormwater Pollution Prevention Planning
- Landfill Soil & Groundwater Investigation
- Landfill Construction Certification
- Landfill Gas Systems Operations

Service Overview

Nova Group, GBC provide solid waste management advising, engineering, compliance monitoring, and reporting for public and private sector clients to ensure compliance with all federal, state, and local environmental regulations. The Solid Waste Management Group provides solutions that maximize solid waste management efficiencies, and minimize risks which can negatively affect site conditions, human health, and the environment.

Our goal is to exceed client expectations through a combination of extensive site knowledge, unwavering project dedication, and client centered communications. We evaluate applicable environmental regulations, acquire regulatory approvals for permits, and prepare contract documents for construction proposals to get competitive bids. We strive to develop procedures that will streamline site activities for efficient operations and monitoring, and ensure compliance obligations are met in a cost-effective manner.

Experience

Nova professionals have extensive experience in solid waste management and consulting, and consistently provide our clients with valuable insight into regulatory compliance, landfill construction, and ongoing monitoring and reporting. Nova professionals include Professional Engineers (PEs), Professional Geologists (PGs), Hydrogeologists, Environmental Professionals, and Certified Groundwater Professionals (CGWPs) with robust knowledge of solid waste systems and management. These Nova professionals have written Industrial Solid Waste Management Plans (ISWMPs), landfill and transfer station permits, Stormwater Pollution Prevention Plans (SWPPP), and have designed landfill liners, leachate management systems, and landfill gas mitigation systems.

Solid Waste Management Group

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CASE STUDY

- ECAD Engineering professionals provide comprehensive services to Kandiyohi County Landfill. ECAD became a Nova Consulting Group company in 2017.
- Tasked to complete a subsurface investigation to evaluate vinyl chloride groundwater contamination from the landfill, and allow the owner to acquire a new permit.
- A source investigation was completed using soil vapor extraction sampling procedures in the old unlined landfill.
- The results showed the landfill owner did not need to relocate waste from the unlined area onto lined space, saving over \$3,000,000 in potential corrective action costs to renew their landfill permit.
- A site-specific groundwater plume investigation was completed using a unique vertical profiling procedure and a mobile lab.
- The vinyl chloride plume limits were virtually defined in a relatively short period of time. Monitoring wells were installed at strategic locations to minimize costs required to monitor the plume limits, and acquire a new approved permit.

