

## First Nations Involvement

NACG has a long history of working and partnering with First Nations communities across Canada. NACG is committed to developing early involvement and meaningful participation with First Nations groups and to being a positive participant in the communities we work in. NACG's approach is to work collaboratively with the project owners, First Nations Corporations and First Nations communities, in order to develop a "best-fit" approach to a partnership agreement. Examples of recent partnerships:

- Noramac Ventures Inc.: a joint venture between NACG and Fort McKay Construction Ltd.
- Mackenzie Aboriginal Corporation: A joint venture between the Gwich'in Development Corporation and five prominent construction companies including NACG.
- Attawapiskat First Nations: Agreement in Northern Ontario at De Beers' Victor Mine.
- Simpcw First Nations: Agreement in place for TMX Anchor Loop Project and proposed regional infrastructure projects.

## Reducing Our Carbon Footprint

NACG is actively finding ways to minimize our environmental impact. By utilizing a modern equipment fleet, striving for efficiency improvements and enacting policies, like the equipment idling policy, we are effectively reducing our carbon footprint. As an industry partner of the NSERC Industrial Research Chair at the University of Alberta, we are working on research to measure and reduce construction equipment emissions.

## Markets

NACG's Tailings, Reclamation & Environmental Construction Division works on environmental reclamation projects across North America.

- Landform construction
- Dredging and de-watering
- Renewable energy projects
- Tailings disposal management
- Carbon capture and sequestration projects
- Reclamation and mine closure

## Building on a Foundation You Can Trust

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Cover photo: NACG performed reclamation services at South Bison Hills for Syncrude Canada Ltd.  
Photos provided by Syncrude Canada Ltd.

Helping You Achieve  
Environmental Success  
**Tailings, Reclamation &  
Environmental Construction**

## Our Sustainable Vision

Over the last 50 years, North American Construction Group (NACG) has built a solid reputation as a leading provider of mining, heavy construction, industrial, piling and pipeline services. Recognizing the growing importance of environmental stewardship and the increasing need for responsible environmental construction services, NACG has formed a Tailings, Reclamation & Environmental Construction Division, which will focus specifically on environmental projects such as oil sands tailings, mine site reclamation and renewable energy projects. The creation of this new division is an integral part of NACG's vision to be the First In, Last Off construction partner of choice.

The Tailings, Reclamation & Environmental Construction Division will leverage the proven expertise of NACG's existing operating divisions, gained through decades of experience operating in environmentally sensitive areas, to provide high quality advice during the design stage, excellence in project management during construction to deliver solutions within the time frame and cost expectations of the client. To achieve this commitment, NACG will provide a full range of services including constructability design reviews, project management, budgetary cost estimates and a full range of engineering, planning, scheduling and construction services including the execution of design-build projects.

Owning the largest contractor equipment fleet in Canada (almost 900 pieces) allows NACG to respond quickly to changing customer requirements and to provide equipment that is optimal for each environmental project. NACG's diverse fleet includes:

- Shovels & excavators
- Drill rigs
- Graders
- Loaders
- Piling rigs
- Compactors and drum packers
- Rigid frame trucks
- Cranes
- Water trucks
- Articulating trucks
- Pipelayers
- Float trucks
- Track & wheel dozers
- Scrapers

NACG works closely with the client to deliver an outcome that is executed successfully and to the highest possible standards of safety and project management.



## Comprehensive Tailings & Environmental Construction Services

NACG performs a wide range of tailings, reclamation and environmental construction services:

- Oil sands tailings remediation
- Management of mine tailings
- Abandoned mine remediation, waste pile re-sloping and vegetation
- Water collection systems, dewatering / perimeter ditching
- Fen / wetlands construction
- Compensation lake construction
- Design-build-operate projects
- Tailings dam and dyke construction, pipeline co-corridor construction
- Tailings pipelines (installation and relocation, integrity and maintenance)
- Site-closure plans
- Penstock and spillway construction
- Run of river and wind generation projects
- Mechanically stabilized earth (MSE) structures
- Constructability reviews and budgetary cost estimates
- Construction / Project Management
- Clearing and grubbing
- Overburden and muskeg removal
- Complete site preparation (drill, blast, excavate, fill, grade, piling)
- Haulage road and access road construction

## Oil Sands Tailings and Directive 74

The ERCB Directive 74 provides new tailings regulations for the oil sands mining operations. Compliance to this Directive will require a significant amount of effort and expertise that is focused on reducing fluid fine tails and creating trafficable surfaces. NACG has extensive oil sands mining and industrial construction experience, successfully performing many of the activities undertaken in the management of oil sands tailings. NACG can provide the skills, manpower and equipment required to ensure that the oil sands mining operations comply with the new regulations.

Using a design-build-operate strategy, NACG will work with clients' technical teams, third-party contractors and consulting resources in order to provide turn-key services for:

- Dedicated Disposal Area (DDA) construction
- Fluid movement and sand re-handle (dredge & pipeline operation)
- Fluid tailings treatment (CT operation, accelerated dewatering, etc.)
- Water transportation & treatment
- Consulting and reporting
- Sampling, testing & modeling
- Final reclamation

## Committed to Safety and the Environment

NACG's absolute and uncompromising commitment to health and safety and to the protection of the environment is a core operating principle of the company and its operating divisions.

NACG continuously strives to improve its safety performance through ongoing training, competency testing, evaluation and the use of management tools and techniques :

- Management and employee commitment
- Behavioral based safety management
- Field level risk assessments
- Pre-job safety instruction meetings
- Regular safety meetings
- Pre-job hazard assessments (Safe Work plans)
- Regular site safety inspections
- Modified work programs
- "Zero Tolerance" approach
- Comprehensive training programs

## Customer Focused Service

Contracting with NACG's Tailings, Reclamation & Environmental Construction Division can provide many significant benefits:

- Competitive operating costs
- Access to experienced people
- Reduction in capital requirements
- Flexibility to ramp up and down quickly as operations demand
- Ability to react quickly to changing regulatory requirements
- Ability to train local unskilled labour with NACG trainers
- Ability to achieve proper equipment matching for both safety and optimal cost control

