



## Who we are

The Water Security Agency is a unique organization in Canada - bringing together all of government's core water management responsibilities in one place. We manage the province's water supply, protect water quality, ensure safe drinking water and treatment of wastewater, own and manage 49 dams and related water supply channels, reduce flood and drought damage, protect aquatic habitat and provide information about water.

## What we do

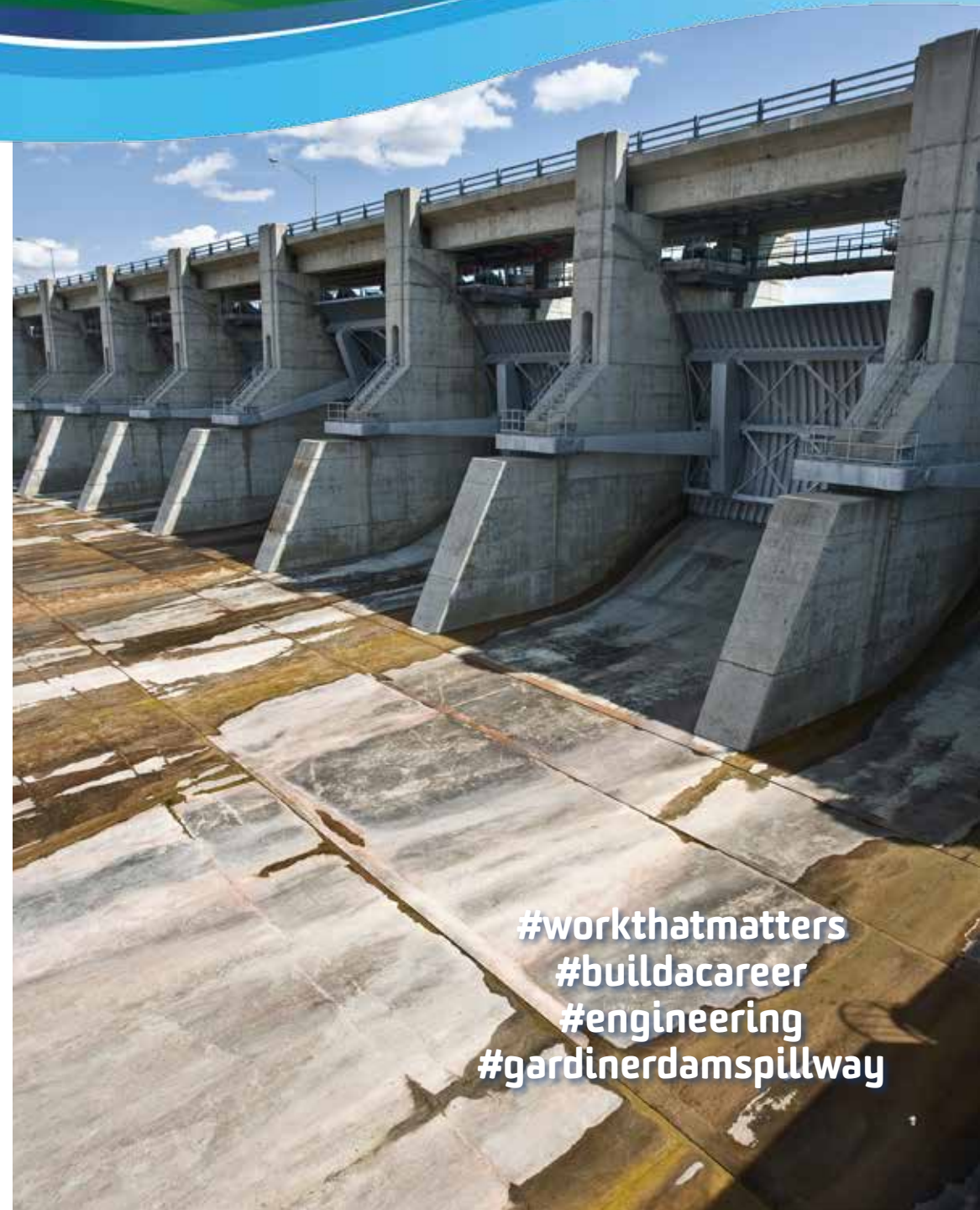
Ensure sustainable water use  
 Protect water quality and quantity  
 Protect aquatic ecosystems  
 Forecast and reduce flood and drought damage  
 Ensure safe drinking water and treatment of wastewater to protect our environment  
 Develop, own and manage the province's water management infrastructure

When it comes to water, we provide one window service for Saskatchewan citizens.

## By the numbers

- 1 head office in Moose Jaw
- 15 regional, dam site, and environmental services locations
- 24 primary surface water quality stations and many project specific water monitoring sites
- 49 dams, owned and operated
- 70 monitoring wells, reporting on aquifers since the 1960s
- 130 kilometres of water conveyance channels
- 205 employees
- 283 stations in our hydrometric network, collecting data on stream flows and lake levels
- 588 wastewater facilities under our regulation
- 810 waterworks under our regulation

Learn more at [wsask.ca](http://wsask.ca)



#workthatmatters  
 #buildacareer  
 #engineering  
 #gardinerdamspillway

## Engineering Careers

**Do work that matters. We offer great careers for Engineering graduates in Civil, Environmental and Geological programs.**

### Project Engineer

As a project engineer you'll provide professional engineering services and support in the investigation, design, construction and rehabilitation of all types of water management projects. Your clients will be external, like rural municipalities, and internal, working with teams throughout the organization on our own dams and other water management infrastructure. You'll conduct field inspections, design projects, prepare cost estimates, technical documentation and drawings, meet with regulators, landowners and other stakeholders, administer contracts, provide site supervision and manage the work of engineering consultants.

### Dam Safety and Major Structures Engineer

We currently own and operate 49 dams in the province, ranging from large, like Gardiner Dam that forms Lake Diefenbaker, to small earth dams. These dams provide water supplies and recreation. Major dams also mitigate the effects of flooding. You'll specialize in the fields of dam safety, dam operations



Boundary-Rafferty diversion channel erosion repairs

and maintenance, or geotechnical engineering, and be part of the team that ensures all of our dams are operated and maintained in accordance with our Dam Safety Management Policy. In this way, we know that our dams are safe and we can maximize their benefits for the citizens of Saskatchewan. The job involves working closely with colleagues, managing the work of engineering consultants, providing oversight of all aspects of dam safety management, conducting dam safety inspections,



Alameda Dam spillway, Souris River flood, June 23, 2011  
Photo by United States Geological Survey

studies and analyses, and developing emergency action plans, and operation, maintenance and surveillance manuals. You'll also have the responsibility of guiding the work of technologists and tradespeople, and providing geotechnical design and construction services.

### Approvals Engineer

You'll be part of the team that ensures drinking water and wastewater infrastructure in Saskatchewan is built according to provincial regulations. You'll review project designs, issue permits for construction, inspect water and sewage infrastructure and work with communities and consultants to find solutions to infrastructure issues. You'll handle applications from all over the province, becoming familiar with a great variety of projects and technologies, from time tested standards, to new and emerging designs. Approvals Engineers are part of our large team that protects public health and our environment.

### Structural Design Engineer

As a structural design engineer you'll provide professional engineering services for the planning, coordination, design and construction of hydraulic structures owned and operated by the Water Security Agency. You'll evaluate the safe load carrying capacity of spillway bridges, perform inspections and design structural rehabilitation on a variety of hydraulic structures, including riparian facilities, outlet capacity upgrades, hydraulic gates, bulkheads, stoplogs, storage facilities, pumping stations, water control structures and other structural components. During the design and rehabilitation of structures, you'll review documents and drawings prepared by engineering consultants; write and manage contracts, write specifications for procurement and manage tendering. Providing technical guidance to colleagues on the structural aspects of their work will be another facet of your job.

**“Great people and rewarding work! Working with the Water Security Agency has been a satisfying and invaluable experience for me.”**



Ashley Gusikoski, P.Eng.