

Yancoal Southey Project



How much water does the project need? During development 1,602 cubic meters per hour (m³/h) and during operations 1,450 m³/h. On average an irrigated farm in Saskatchewan uses 67 m³/h (149,899 m³/year); the project would be like adding 22 irrigated farms. This may seem like a lot, but the system could handle at least 112 additional irrigated farms.

How will water needs be limited? Runoff on site will be used to reduce the overall water demand, and, as possible, process and wastewater will be recycled.

What will happen in a water crisis? Priority will be given to residents and farms over industry.

Where will the water come from? Water will be purchased from SaskWater. The Saskatchewan Water Security Agency has identified the preferred water supply as Buffalo Pound Lake. The volume of water needed is very small compared to the volume in the lake and the flow in the South Saskatchewan River. The Lake Diefenbaker Development area is identified as having a tremendous potential for expansion as a consistent water supply.



Water Supply

Effects Will be Controlled by Supplier

Use of water from Buffalo Pound Lake and the regional water supply system may require additional diversion of water from Lake Diefenbaker to the Upper Qu'Appelle River, which may reduce flows through the Gardiner Dam along the South Saskatchewan River. The potential effects were assessed under a separate environmental assessment and regulatory approval process completed by SaskWater (supplier). An assessment completed by the Saskatchewan Water Security Agency (WSA), who are responsible for managing water allocation in the Qu'Appelle River system and will have to issue a licence for the water use, determined that an additional withdrawal of 7560 m³/hr could be sustained by the system.

Yancoal Canada Resources

Robin Kusch
Unit 300, 211 4th Avenue South
Saskatoon, SK S7K 1N1

Phone: 1-306-668-5558 ext. 6015
Mobile: 1-306-227-1073
Fax: 1-306-668-5559
Email: r.kusch@yancoal.ca
www.yancoal.ca



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