

VENTILATION INFRASTRUCTURE DESIGN



PROJECT SUMMARY

Name	Ventilation Infrastructure Design
Location	Baie Vert, Newfoundland, Canada
Client	Rambler Metals & Mining Canada Limited
Type	Design Engineering

PROJECT DESCRIPTION

Nordmin Group of Companies worked closely with Rambler Metals & Mining Canada Limited to complete detailed ventilation infrastructure designs for the Ming Mine, located on the Baie Vert peninsula in North/Central Newfoundland.

Nordmin Engineering provided civil, structural and mechanical design engineering services for three separate surface ventilation installations.

The first installation involved the relocation of the existing downcast ventilation fan, heater system, propane storage and delivery system to provide approximately 225,000 CFM of fresh, tempered air required for the underground mine operations.

The second installation also provided approximately 225,000 CFM of fresh tempered air to the underground workings, but was supplied by a newly procured fan, duct, propane storage and delivery system located at an existing portal.

The final installation integrated a supplied fan system, over a new exhaust ventilation raise, powered by two 500 HP motors, to exhaust approximately 450,000 CFM from the underground mine workings.

The detailed ventilation infrastructure designs required close collaboration with Rambler to ensure the project was completed in safe, efficient and cost-effective manner.

