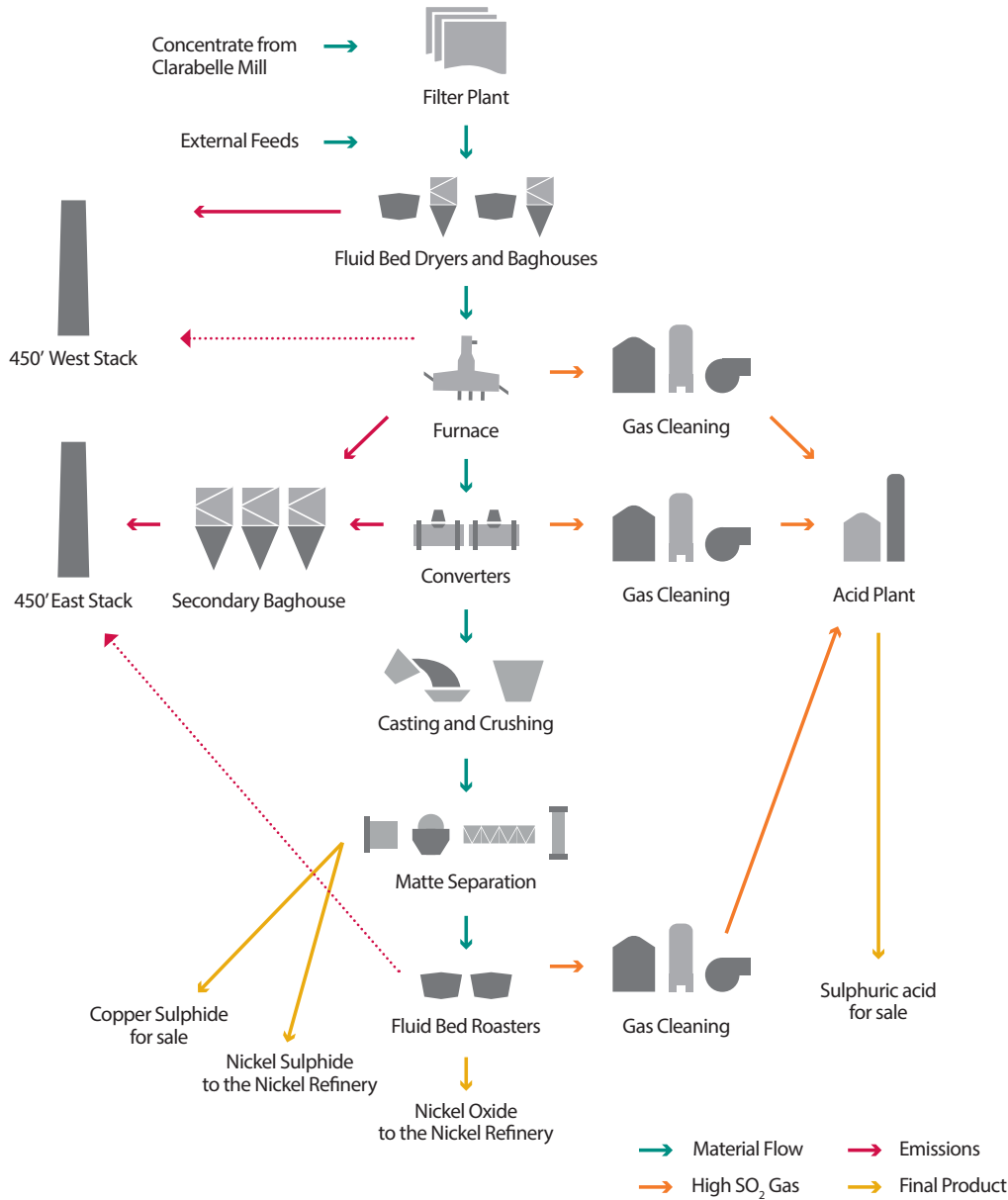


Vale's Copper Cliff Smelter is located at 18 Rink Street in Copper Cliff, just west of Sudbury, Ontario. The Smelter produces a copper product that is sold directly to market and various nickel streams that are sent to Vale's Nickel Refineries in either Copper Cliff, Ontario or Clydach, Wales.

The Smelter can produce up to 150,000 tonnes of nickel and copper in matte products (which are products that require further processing).



Supporting auxiliary processes include: material receiving facilities and operations, utilities and power, transportation, maintenance and manufacturing operations.

Vale's Copper Cliff Smelter has evolved over the last 100 years. With the implementation of Clean AER project, the Smelter currently uses some of the most advanced technologies and options for emissions control available.