MANUFACTURING PROCESS FOR ZEOLITE

Our zeolite deposit is southwest of Princeton, British Columbia, Canada. The deposit is covered by glacial till which is removed prior to mining. Only the material below the glacial till is included in the mined material.

Following is an outline of the process, in general:

- Removal of overburden (glacial till)
- Minerals are mined as a natural occurring binary mineral
- Raw material is trucked to production facility
- Drying, processing and sizing of raw materials
- Quality control sampling
- Storage of processed material
- Packaging of processed material
  (Quality control samples taken)

BROMLEY MINESITE
Zeolite

Raw material is stock-piled in a segregated area at the plant

Absorbent Products Ltd.
714 East Sarcee Street
Kamloops, B.C., Canada

ZEOLITE FEED ADDITIVE
Powder

Material enters the dryer at an ambient temperature and about 40% moisture level

Dryer temperature is set to:
175 – 200° F

No chemical reaction to the raw material takes place other than reducing the moisture level
(Maximum moisture level 8%)

SIZING
Using multiple screens, product is separated into different granulation sizes and is segregated into dedicated silos

OVERSIZED PRODUCT
(anything over 4 mesh)

Crushed with hammer mill or roll mill and sent back through screening

WAREHOUSE AND SHIPPING

PACKAGING AND PALLETIZING
SUMMARY OF THE PROCESS FOR ZEOLITE

The materials used in Zeolite are minerals mined from our Bromely deposit southwest of Princeton, BC, Canada. The material is hauled by truck from the mine about 180km to the plant at 714 Sarcee Street East, Kamloops, BC, Canada.

The material is stockpiled in a segregated area, and from this stockpile is taken to a feeder which feeds a natural gas heated rotary dryer. The dryer is about 80 feet long. The material enters the dryer at ambient temperature and at about 40% moisture. The dried material has a maximum moisture level of up to 8%. There are no chemical reactions that take place concerning the raw material, only the removal of water.

From the dryer the material is then screened to the appropriate size based on its intended use and directed to the appropriate silo. Oversized product (anything above a 4 mesh screen) is crushed with a hammer mill or roll mill and sent back through the screening process to further separate it into different product streams based on size and is then directed to the appropriate silo.

All products are made and bagged at 714 East Sarcee Street. All finished pallets of product are stored at 724 East Sarcee Street, pending shipping.