

PotashCorp- Aurora

(PCS Phosphate, Inc.)

An Overview

Helping
nature
provide.



About PCS Phosphate (PotashCorp-Aurora)

The relationships we have with our neighbors and surrounding communities are an important part of the work we do here at PotashCorp-Aurora.

Most importantly:

- *We strive to protect the environment,*
- *keep our employees free from harm and*
- *contribute both socially and economically to the families and communities that surround us.*



PotashCorp-Aurora

Who We Are

We help feed the world...



- PotashCorp is the world's largest crop nutrient company and plays an integral role in global food production. With operations and business interests in seven countries, we are a global company and a key player in meeting the growing challenge to feed the world.
- PCS Phosphate Company, Inc. (PotashCorp-Aurora) produces phosphate products for agricultural and industrial uses.
- We are Beaufort County's largest employer and contribute locally through purchasing and community investments.
- The plant site and mine encompass 12,000 acres. In addition, PotashCorp-Aurora owns the surface and phosphate minerals in 46,000 acres and owns or leases the phosphate minerals in an additional 24,000 acres. This totals 70,000 acres of land in the Aurora area.
- PCS is the largest and oldest port customer

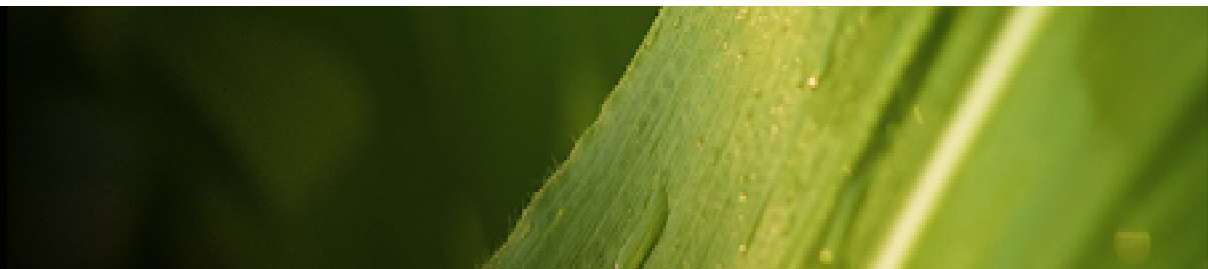


PotashCorp-Aurora

PCS Phosphate's 5 Essential Elements of Production

Critical components of operation success

- **Safety**
- **Environmental Stewardship**
- **High Quality**
- **Low Cost**
- **Continuous Improvement**



What We Produce

We supply the agricultural, industrial chemical and animal nutrition markets.

- Phosphate is used in a variety of everyday products such as:
 - cheese, soft drinks, bread, toothpaste, vegetable oil, jams and jellies.
- Commercial usage includes:
 - fire retardants, fertilizer, animal feed, wood and metal finishing, renewable energy products and cleaning compounds.

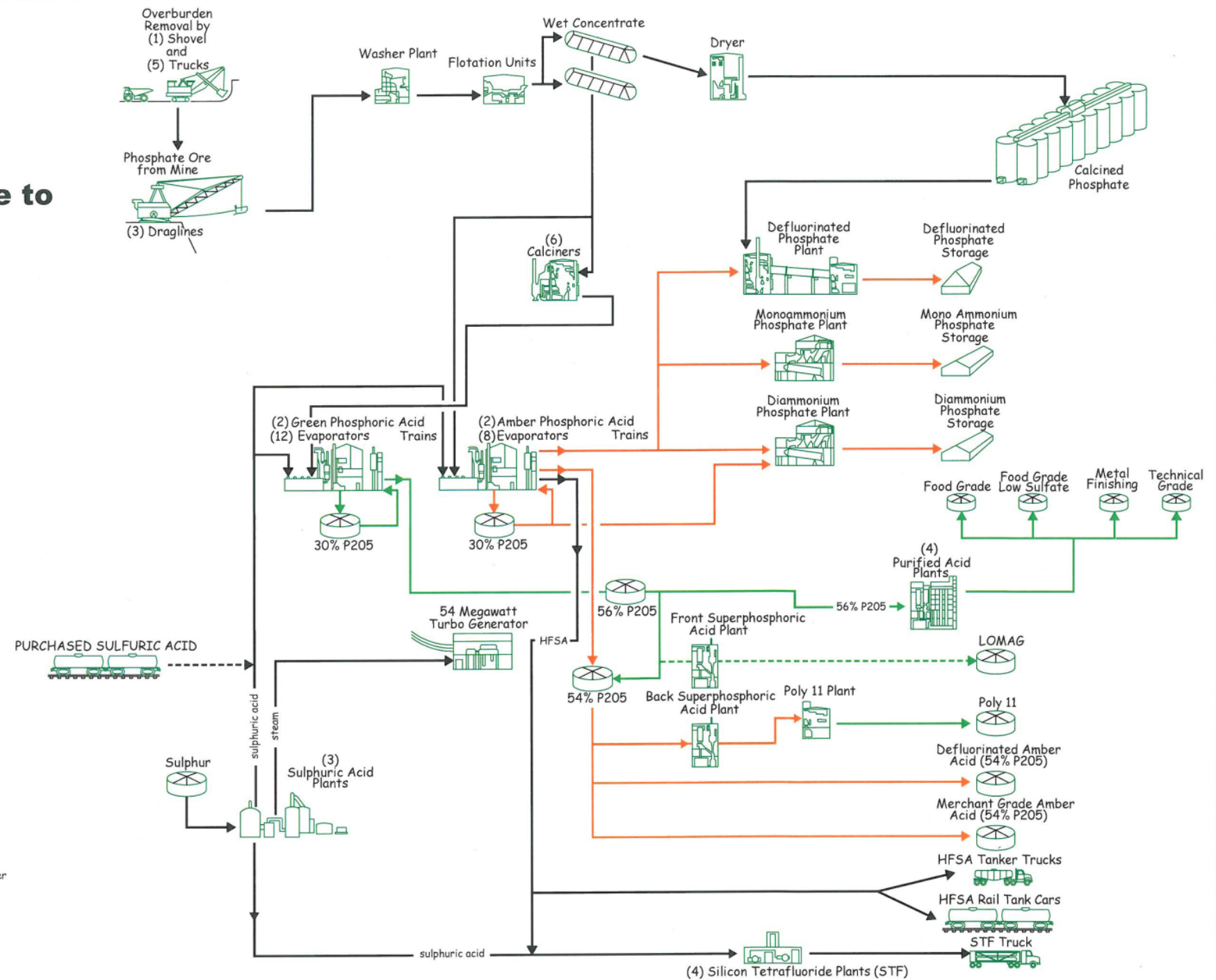


Aurora Operations



From Phosphate Ore to QUALITY PHOSPHATE PRODUCTS

Processes are interconnected to allow variations in the product mix to meet customer needs.



By: S.L. Paschall Date: May 2, 2006 Drawing Number: ACG-000-051
Revision I
January 31, 2012



How We Do It

People, Safety, Production, Environmental Stewardship

- The safety of our people and protection of the environment are core values at the Aurora site.
- Our facility uses specialized mining equipment such as draglines to recover ore and bring it to the surface.
- Once processed, we ship the products by rail, road and water to our customers around the globe.



Employment

Profile and Impact- Who does the work?

- PotashCorp-Aurora is the area's largest private employer with annual payroll of more than \$75 million*
- Approximately 825 full-time employees
- Vast majority, native to eastern NC
- Hundreds of contract workers
- Average employee tenure – 15+ years
- Average annual salary - \$60,000+
- 20 Summer co-op/internship students



PotashCorp-Aurora

Safety

“What would your family do if tomorrow started without you?” Julie Potter

- Our employees are our greatest asset, so their safety is top priority.
- Our safety programs help create an environment of awareness and safe working habits.
- Our safety efforts have earned us numerous safety awards including the National Mine, Safety, and Health Administration’s “Sentinels of Safety” for operating the safest open pit mine in the United States.
- 21 departments received certificates of Safety Achievement for 2015 from the NC Department of Labor.
- We are a NC Department of Labor Star site.



Mining

Because the ore lies about 120 feet below the surface, mining occurs in two stages:

- First, about 45 feet of sand and clay, called overburden, is removed.
- Then, the three draglines dig the remaining 80 feet of overburden so they can mine the ore below.



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Processing

Ore is mixed, pumped, washed, screened, calcined and processed.

- Once the dragline has mined the phosphate ore, it is mixed with water and pumped to the mill. At the mill, it is washed and screened with water then put through other processes to remove all the sand, clay and other materials from the phosphate.
- Some of the phosphate is stored and some is calcined (or roasted) at 1,500° Fahrenheit.
- Several different types of products are made, including: phosphoric acid, wet/dry fertilizer and food-grade acid.



Product Transportation

Our products are shipped all over the world.

- The transportation of the products to and from PotashCorp-Aurora is a vast operation.
- Products arrive & leave the site through rail cars, 18-wheelers and barges.
- The rail complex at the plant site is extensive, with more than 30 miles of train tracks.
- We have our own fleet of tugboats, which move product down the Pamlico River to the port at Morehead City; the trip, through the intra-coastal waterway takes about eight hours.



PotashCorp-Aurora

Environmental Stewardship

Our Commitment



- At PotashCorp-Aurora, we are committed to the environment with a full-time staff of environmental professionals.
- Our water distribution system nearly eliminates nutrient discharges into the Pamlico River. Any water used in the on-site manufacturing process is recycled for further use.
- Once mining is complete, we know our job is not done.
- For every acre of wetland mined, we replace it with two acres.
- In the last 20 years we have restored or created more than 7,300 acres of wetlands.
- Honors include:
 - National Association of State Land Reclamationists Outstanding Reclamation Award
 - Interstate Mining Compact Commission's Kenes C. Bowling National Mine Reclamation Award
 - NC Environmental Educators of North Carolina Outstanding Partnership Award



Community

Taking care of our neighbors and neighborhoods

At PotashCorp, we work to enhance the well-being of the communities where we live and work.

In Aurora and the surrounding region, our operation contributes greatly by purchasing locally and investing in local organizations and projects.

- Community investments in 2015, including donations and gifts in-kind, totaled almost 1.6 million dollars.
- Local purchasing exceeded \$225 million in 2015
- Our employees volunteer in community fire departments, coach sports, lead Scouts and many other groups including: Children's Miracle Network, Mile of Hope, American Cancer Society, American Red Cross, United Way and Toys for Tots.



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