

Agrium Redwater Fertilizer Operations

Sturgeon Council

May 9, 2017

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Agenda

1. Corporate Overview
2. Redwater Overview
3. Approval to Operate Renewal Process
4. Questions, Concerns, Follow Up

Agrium Overview

- Major producer and marketer of fertilizers, plant nutrients, related products and services
- Our Corporate office is in Calgary, Alberta;
Our Market is the WORLD
- Trades on the Toronto and New York stock exchanges under the symbol AGU
- Fully diversified throughout the value chain

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Our Nutrients

Nitrogen



Primary building block for all life

Phosphorus



Provides energy that allows plant to grow

Sulphur



Essential component in the healthy growth of all living things

Potassium

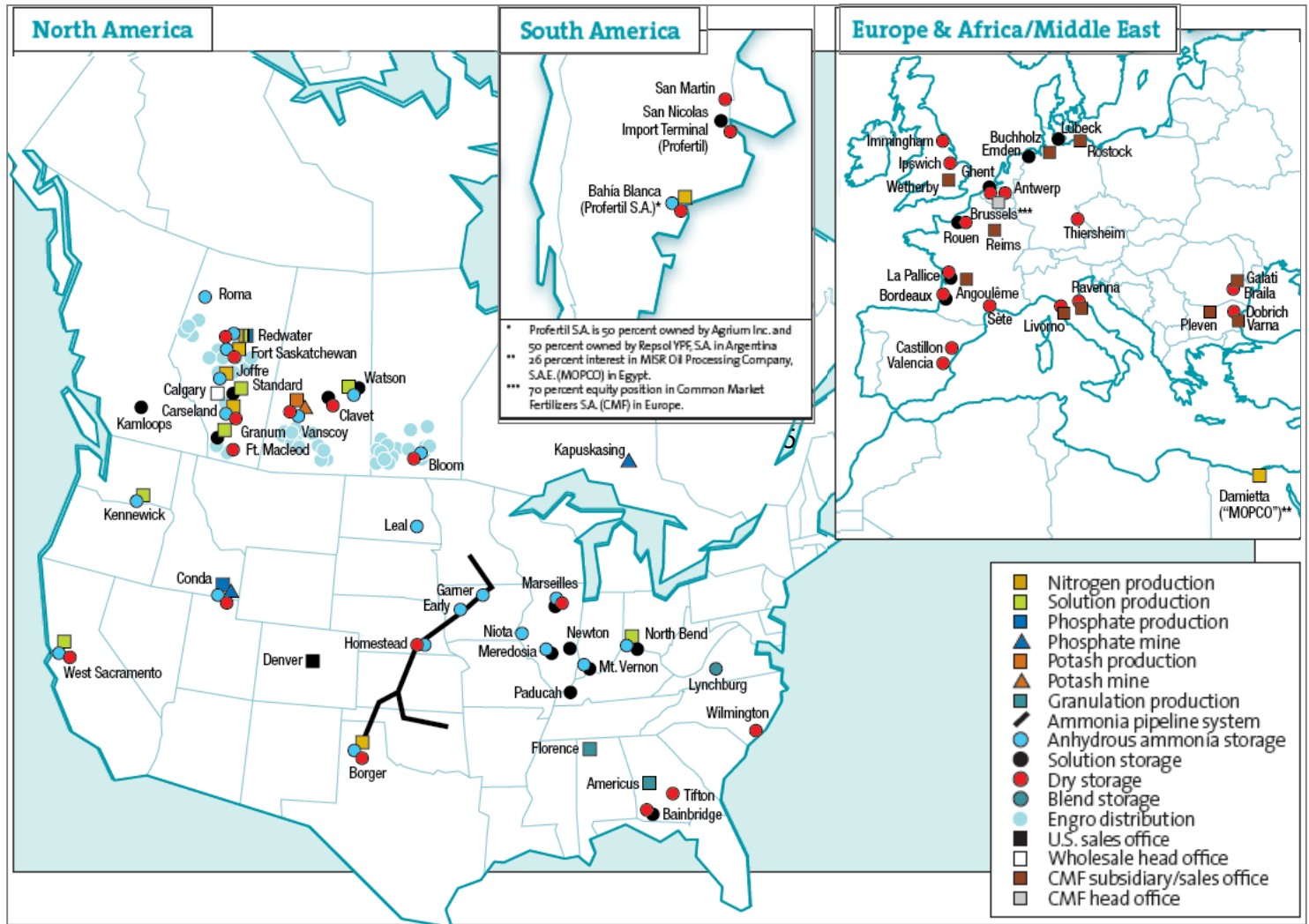


Protects plants and helps fight disease

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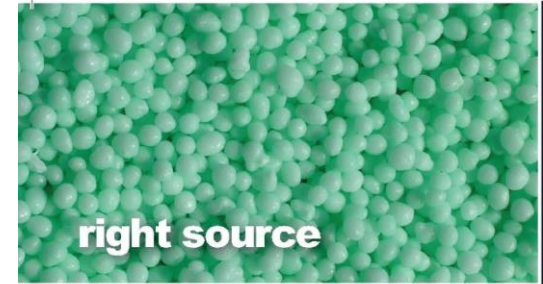
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Environmental Stewardship

- Agrium takes its Environmental Stewardship very seriously. Not only on site but the downstream use of our products.
- Agrium supports our industries 4R™ Nutrient Stewardship System of best management practices in the field: Right Product, Right Rate, Right Time, Right Place. We work with growers on how our products can be best applied to reduce greenhouse gas emissions and losses to water.
- Promote community involvement like the “Caring for our Watersheds” program.
 - 2011 Emerald Award Winner
- We also promote science based educational programs and materials like our “Seed Survivor” program.
- We developed and produce Environmentally Smart Nitrogen - ESN®



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Commitment to the Communities

Responsive

Agrium believes in **open and honest communications** and are active members of the community (Community Advisory Panels).

Supportive

Agrium supports a wide variety of charities. Agrium and its employees are active **supporters of local United Way campaigns**, winning awards for both participation and per-capita donations.

Responsible

Decisions are made by site employees, who are part of the community, to distribute **local donation funds**.

Educating

Over 100 tours are held annually at our production facilities (Educational, Career, Science).

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Redwater Fertilizer Operations

- Redwater Fertilizer Operations (RFO) is one of 16 production facilities in North American Wholesale Manufacturing
- We occupy 372 hectares along the North Saskatchewan River and employ approximately 550 people
- Each year RFO produces
 - 1.4 million tonnes of nitrogen-based fertilizers
 - 610,000 tonnes of monoammonium phosphate (MAP)
 - 340,000 tonnes of ammonium sulphate

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Redwater Fertilizer Operations

- The largest integrated fertilizer producer in Canada.
- The largest corporate employer in Sturgeon County.
- Almost 40% of all of Agrium's Alberta employees work at the Redwater facility.
- Phosphate sales from this site account for 50% of the Canadian market and 5% of the North American market.

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Direct Economic Impacts

- 450 regular employees - \$73 million/year in direct payroll
- Approximately 100 contractors valued at \$15 million/year.
- \$6.4 million in municipal property tax.
- \$94.8 million per year in natural gas costs.
- \$20.4 million per year in electricity.
- \$85 million per year in goods & services purchases.

Redwater and Fort Saskatchewan Combined

- Over \$100,000 given annually in charitable donations to over 50 local non-profit organizations and groups.
- United Way employee donations with corporate matching of over \$500,000 a year.

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Production Plants at Redwater

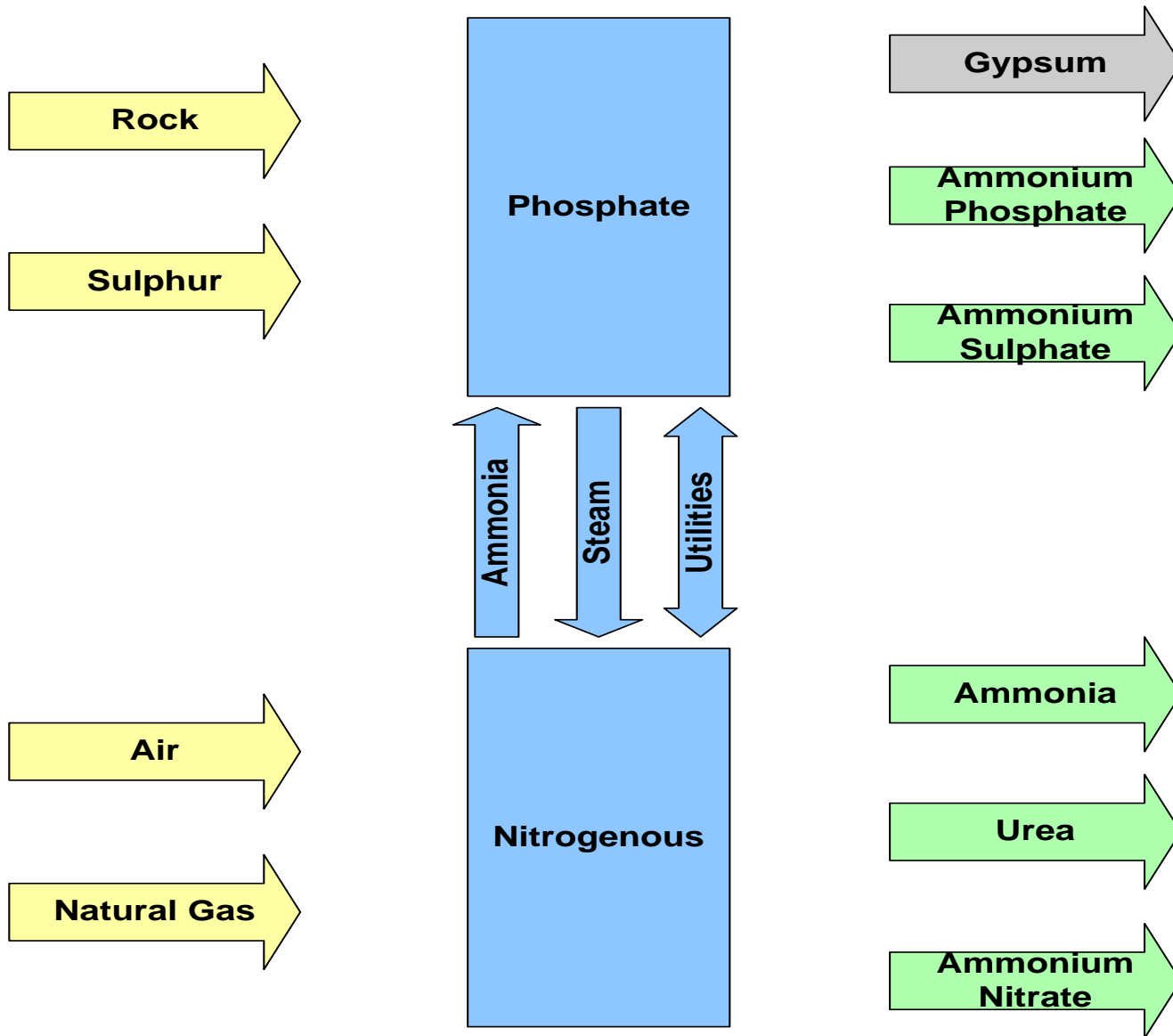
Phosphate Plants	Nitrogenous Plants
Sulphuric Acid I & II	Ammonia I & II
Phosphoric Acid	Nitric Acid
Granulation- MonoAmmonium Phosphate (MAP) & Ammonium Sulphate (AS)	Urea, Ammonium Nitrate Urea Ammonium Nitrate (UAN)
Rock offloading and loadout *	Site Utilities

* Rock offloading and loadout are not production plants but are key parts of our operations

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Contents of Renewal Application

- Introduction and Facility Identification
- Project Background Update
 - Public Consultation and Stakeholder Engagement
 - <http://www.agrium.com/en/sustainability/environment>
- Current Setting and Environmental Conditions
- Design and Equipment Performance Evaluation
- Operation
- Approval Condition Review and Modifications
- Reclamation

Schedule

	Task	Date
1	Agrium Submission to AEP	2017-05-17
2	AEP Deems Complete	2017-07-07
3	AEP Supplemental Information Request(s)	2017-08-31
4	Agrium responses	2017-10-13
5	Agrium public application advertisement	2017-12-01
6	Agrium / AEP responses and AEP review	2018-02-14
7	Draft Approval to Agrium	2018-02-28
8	Clarification / consensus on draft	2018-03-16
9	AEP issues new Approval	2018-03-30

Wrap Up

Questions ??

Concerns ??

Follow Up

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