



Nutrien, Fort Saskatchewan & Redwater

Life in the Heartland
October 8th, 2025



Disclaimer

****WARNING:****

This disclaimer is so lengthy, you may need a magnifying glass to read it!

****DISCLAIMER:****

This presentation is provided for informational, educational, and possibly entertainment purposes only.

Any resemblance to actual events, incidents, or persons, living or otherwise, is almost entirely intentional, except for the parts that aren't.

No delegates, spreadsheets, graphs, or laboratory glassware were harmed in the making of this PowerPoint.

Viewer discretion is advised for those averse to lengthy bullet points, questionable puns, or statistics presented at improbable font sizes.

By remaining in this room, you tacitly accept all risks associated with exposure to environmental incident data, groan-worthy humor, and potentially complex chemical acronyms such as NH_3 and SO_4 .

The author takes no responsibility for any cases of confusion, enlightenment, or caffeine deficiency experienced as a direct or indirect result of this slideshow.

In the event of dizziness, dry mouth and a sudden urge to head to the bar, please ensure to invite the presenters.

Participation may require squinting, caffeinating, or bestowing pity laughs upon the presenter. If you are unable to read this disclaimer due to its size, please see Slide 3 for further confusion.



Who We Are

Fort Saskatchewan



Redwater



Deep Roots in Canadian History - Cominco

1896

The Trail Smelter began operations in Trail, BC. Privately owned by Frederick Heinze, serving the mines at Rossland, BC.

1905

Ownership of the smelter in Trail and mines in Rossland was merged under the name Canadian Smelting Works.

1906

Consolidated Mining and Smelting Company of Canada is formed through a merger of several entities controlled by Canadian Pacific Rail and Canadian Smelting Works.

1966

After several mergers and acquisitions, Cominco Ltd. is formed

1931

Cominco Fertilizers is formed when the company began producing ammonia and phosphate fertilizer in British Columbia.

1995

Cominco Fertilizers is consolidated to form Agrium Inc., an Alberta based, publicly traded company.

1996

Agrium Inc. acquires fertilizer assets of Viridian Inc. as well as some historical liabilities in a merger of the two companies. Fertilizer assets operate as Agrium Inc.

Deep Roots in Canadian History - Sherritt

1927

Sherritt Gordon Mines Limited is incorporated.

1951

Sherritt provides partial funding for the Canadian National Railway (CNR) to construct a rail line from Sherridon, MB to Lynn Lake, MB.

1954

Nickel refinery including byproduct fertilizer was began operations in Fort Saskatchewan.

1983

Sherritt commissions a new world-scale (1,000 tonnes / day ammonia, 900 tonnes / day urea) nitrogen fertilizer plant in Fort Saskatchewan.

1993

Sherritt Gordon Limited renamed Sherritt Inc.

1994

Sherritt Inc. acquires fertilizer assets from Imperial Oil Limited and becomes the largest producer of nitrogen and phosphate fertilizers in Canada.

1995

Sherritt Inc. creates Sherritt International Corporation. Sherritt Inc. retains the fertilizer business.

1996

Sherritt Inc. changes its name to Viridian Inc., which merges with Agrium Inc. later the same year.

Deep Roots in Canadian History - PCS

1958

Patience Lake potash mine near Saskatoon, SK begins production.

1968

Allan, Cory and Lanigan potash mines all begin production.

1975

The NDP government of Saskatchewan forms the Crown Corporation "Potash Corporation of Saskatchewan."

1975-80s

Provincial government acquires 40% of all potash mines in Saskatchewan.

1989

Saskatchewan government privatizes Potash Corp of Saskatchewan, forming a publicly traded company "PotashCorp."

2016

Merger between PotashCorp and Agrium Inc. announced publicly.

2018

January 1, 2018 – Nutrien is formed through the merger of PotashCorp and Agrium Inc.

Nutrien Fort Saskatchewan Facility

1983

Sherritt
Gordon Mines
Limited began
operating the
facility.

1993

Sherritt Inc. is
formed and
operates all
fertilizer assets.

1996

Viridian Inc. is
formed and
takes ownership
of all fertilizer
assets.

1996

Agrium Inc.
merges with
Viridian Inc.
Fertilizer assets
operate as
Agrium Inc.
while Viridian
becomes the
holding
company for
historical
liabilities, etc.

2018

Nutrien Ltd. is
formed from
the merger of
PotashCorp and
Agrium Inc. and
becomes one of
the largest
suppliers of N,
P, K fertilizers in
the world.



Recent Accomplishments



Fort Saskatchewan - 40 Years - May 2023

CELEBRATING

40
YEARS
1983-2023

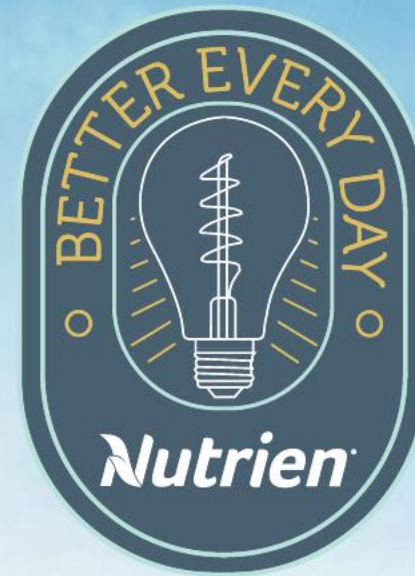
2023 Industrial Business of the Year!

Fort Saskatchewan & District Chamber of
Commerce



Redwater – 55 Years - 2024

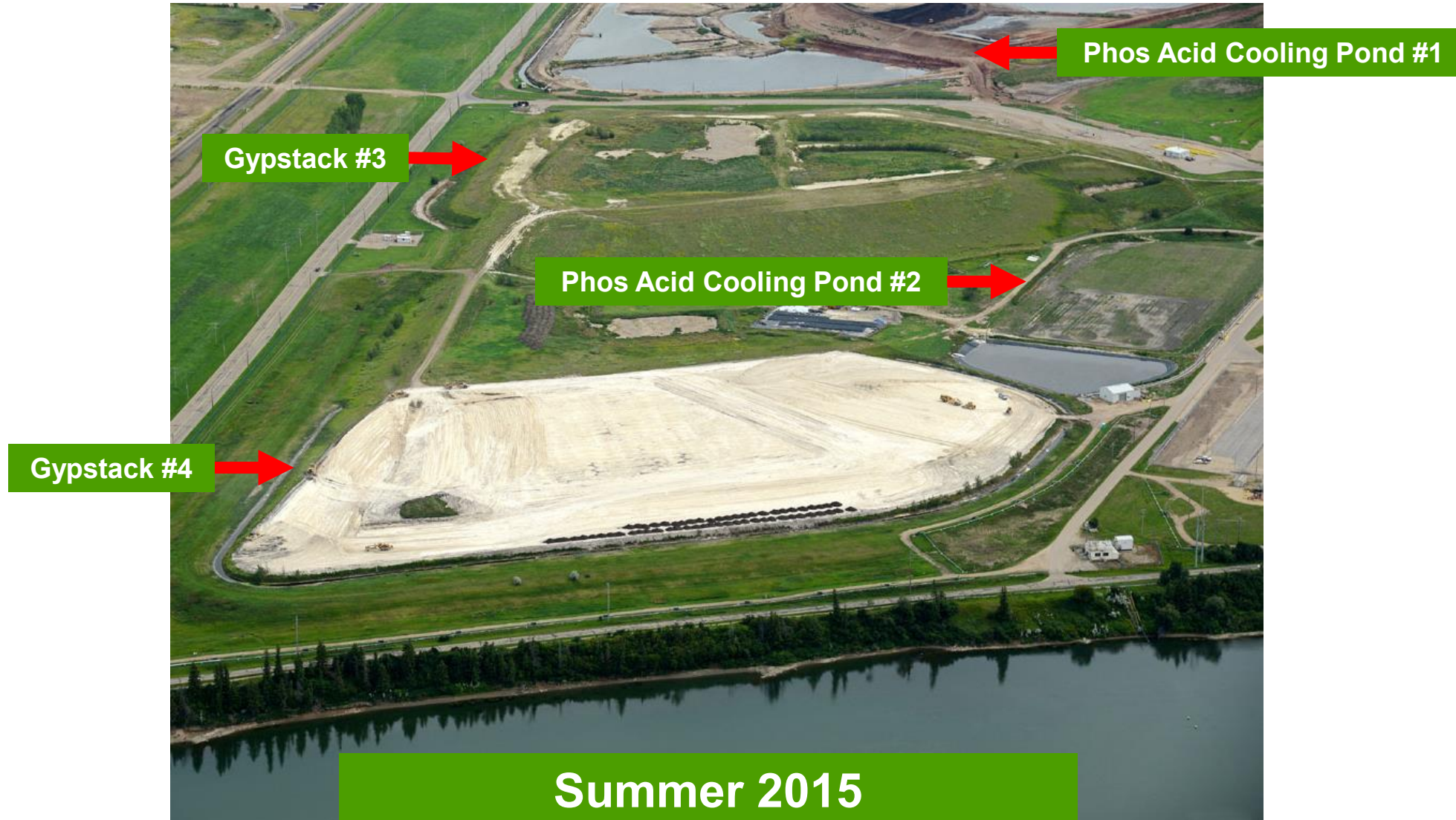




Environmental Stewardship



Fort Sask – Gypstack Reclamation – “Before”



First Tree Trial began in 2015

- In collaboration with the University of Alberta and the Canadian Forest Service, we have reclaimed 40 hectares of historical ponds and stacks of by-product gypsum using trees
- Our first research trial was in 2015 and planted 500 willow cuttings in a reclaimed pond



Stacks 3&4 – “after”



A few years later...



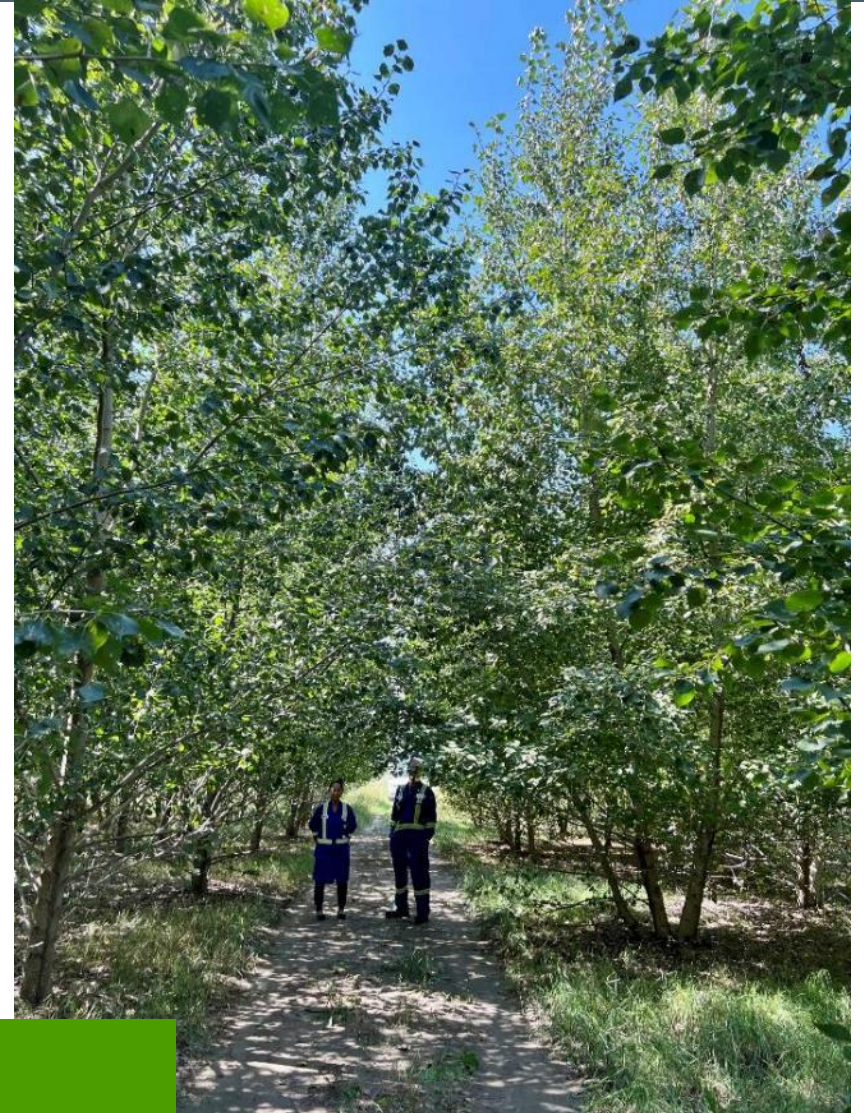
Establishing larger scale forests



Hybrid poplars six (6) years after planting



2021

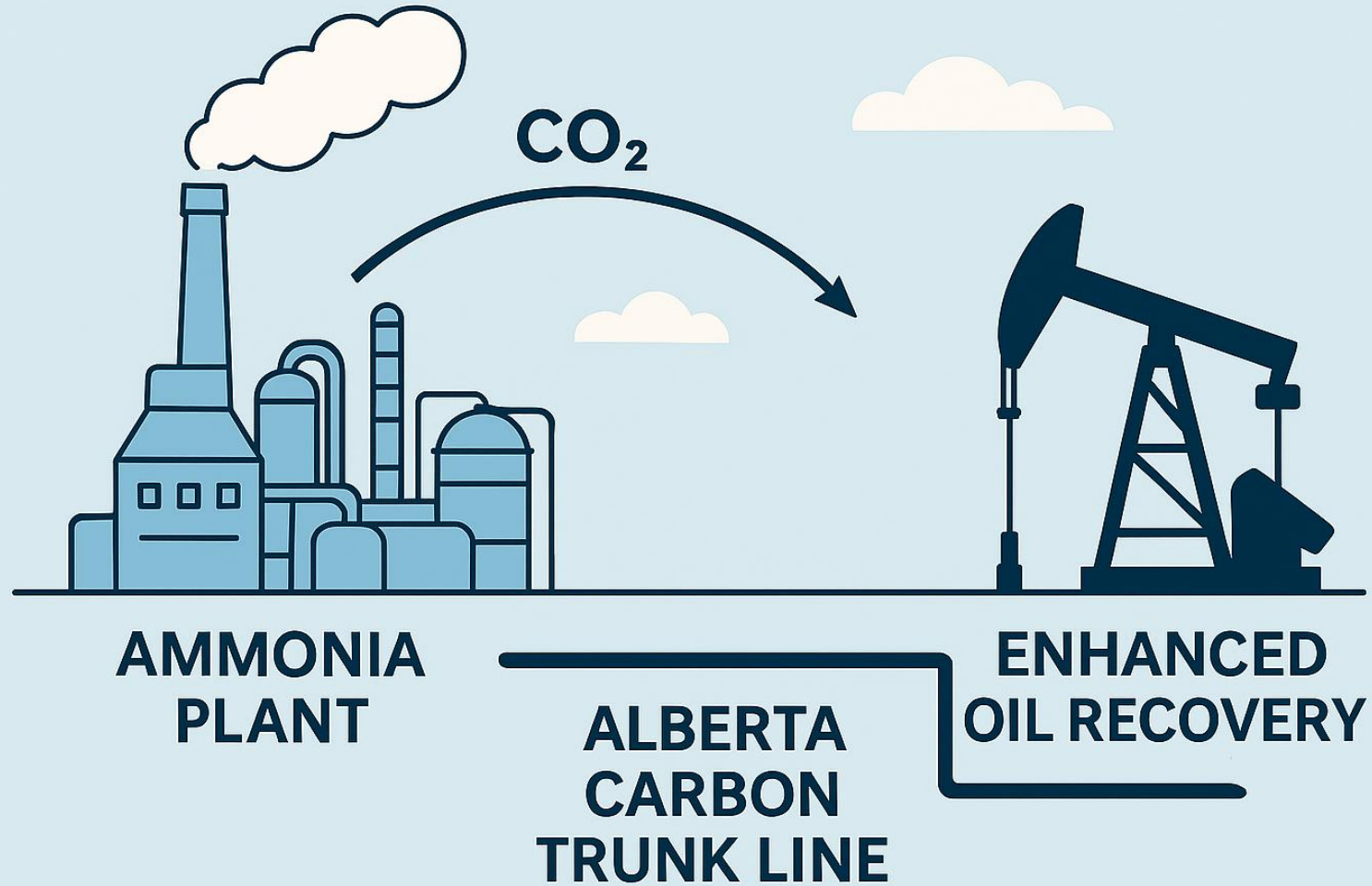


2021

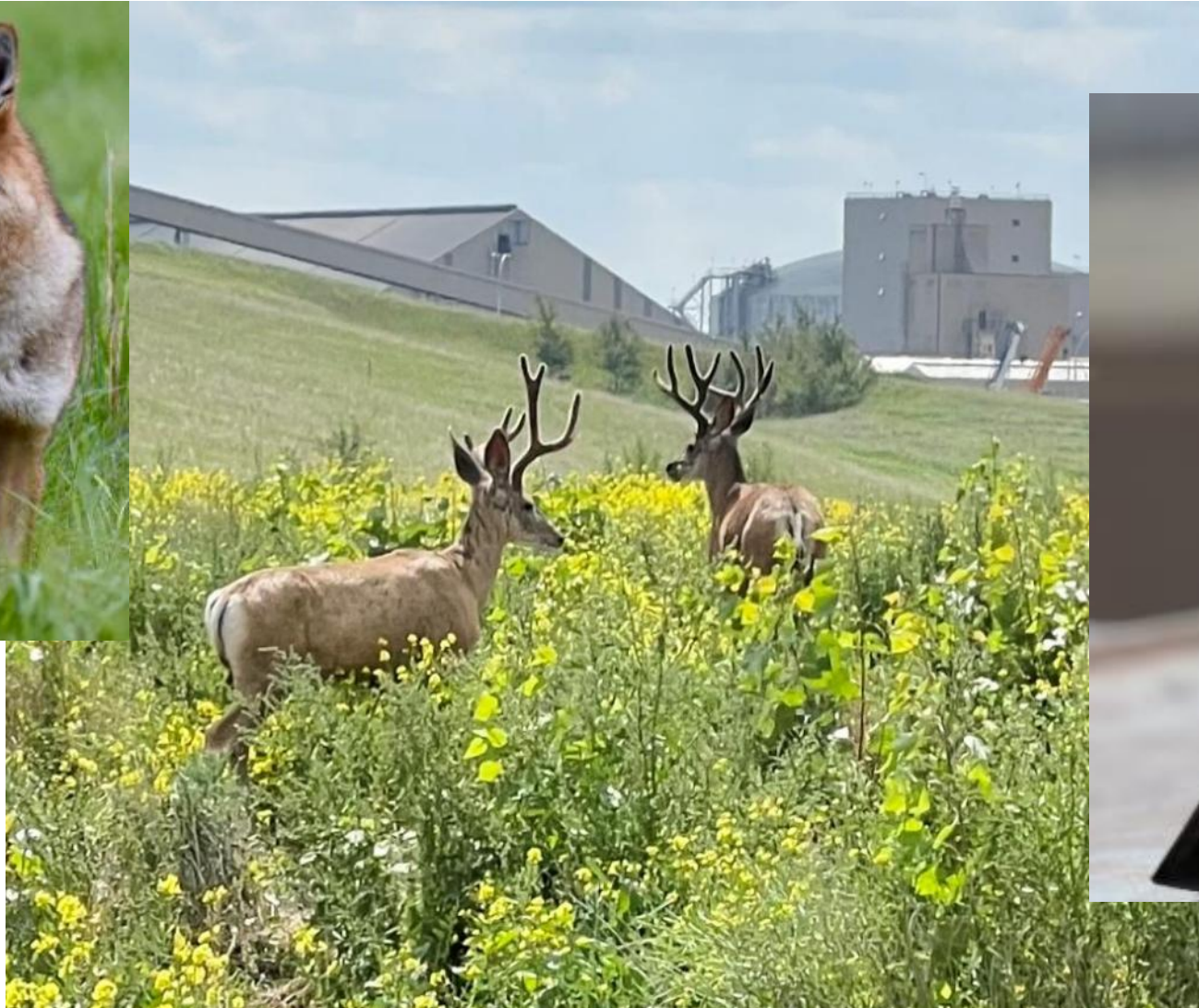
Redwater – CO₂ Capture Project

- Redwater implemented a CO₂ capture system to reduce emissions from its Steam Methane Reforming (SMR) process in 2019.
- Since 2019, it has captured over 600,000 tonnes of CO₂, sending it via the Alberta Carbon Trunk Line (ACTL) for enhanced oil recovery and permanent storage.
- A feasibility study (2022–2024) evaluated further decarbonization options, including post-combustion capture and Autothermal Reforming (ATR).
- While technically viable, the proposed was not pursued at the time, for various reasons. However, the project provided valuable insights for future carbon capture initiatives both at Nutrien and at other industries.

Redwater – CO₂ Capture Project



The result – our own ecosystems!





Thank You!

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