

Overview

- □ Setting the Scene
- □ Remediation Challenges
- □ Public Consultation



The Changing Landscape

From Farm Field to Urban Fringe





Operating Environment



Calgary, Alberta Canada



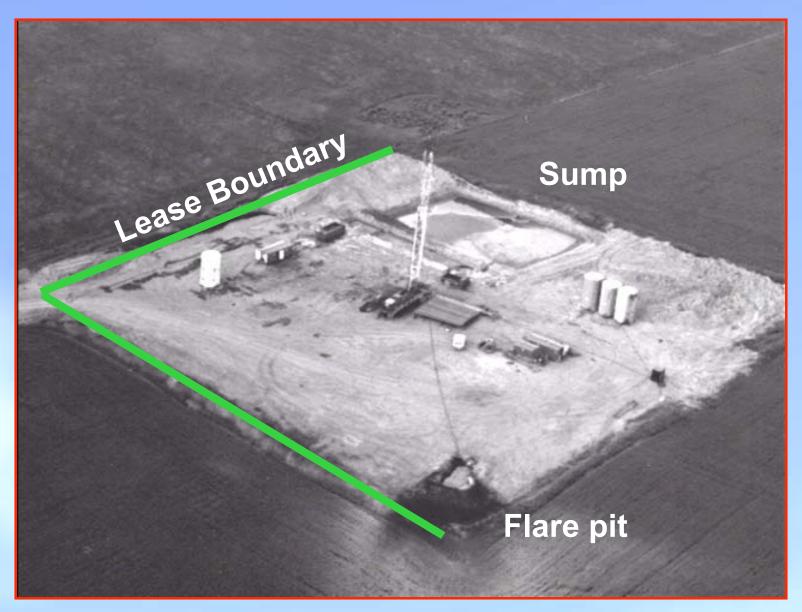
Setting the Scene...









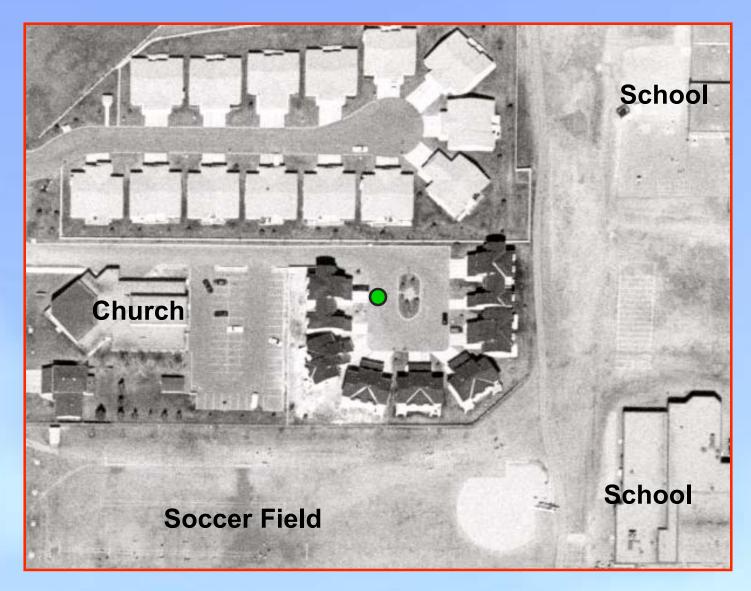






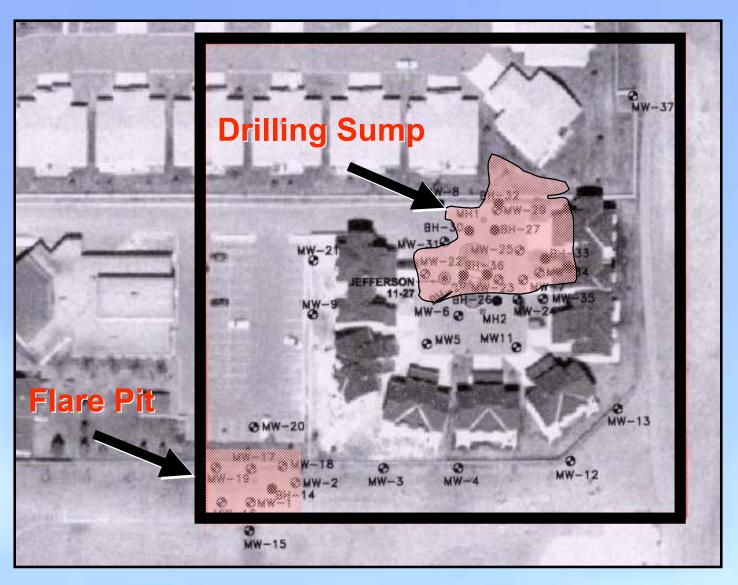


The Initial Investigation ...





Sampling Program





Diesel Contamination





Material Volumes

Flare Pit

Over-Burden 900 t or 450 m3
Contaminated 2900 t or 1450 m3
Replacement Fill 2900 t or 1450 m3
Truck trips (round) ~200

Sump

Good Over-Burden 900 t or 450 m3 Bad Over-Burden 1240 t or 620 m3 Contaminated 5600 t or 2800 m3 Replacement Fill 6800 t or 3400 m3 Truck trips (round) ~460





Project Team

Specialists vs Turn-key Operations

Draws on strengths of firms

Lesson Learned

Use separate remediation and restoration contractors



Remedial Options

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		ssessment

Liability

4 Potential Long Term

4 Longer Project Life

4 Difficulty with Public Buy-In

Excavation & Disposal

4 Removes Liability

4 Short Time-frame

4 Easier Public Buy-In



Remediation Timeframe

Parallel Paths: Assessment and Remediation

- □ Provided example to residents of the remediation efforts to be undertaken on their properties.
- Proved to the regulators and the residents the Project Team's ability to undertake the project and deliver on their promises.
- Provided a trial run for the cul-de-sac remediation program.
- □ Shortened project timeframe.



Fill Material

Important to...

- Assess environmental quality of fill materials.
- □ Assess suitability of fill material for intended re-use.



Under the Garages...





Slot Cutting Under the Foundation...





Chasing the Contamination...





Utilities & Wellbore





5 Weeks Later...





Public Consultation

The Pay Forward Principle

- Actively involving the public and community in the decisions that may impact their lives or livelihood.
- Communities have a legitimate right-toknow about our planned and on-going activities and to participate in decisionmaking for issues that affect them.



Public Consultation

Goals:

- Maximize Opportunities
- Minimize Impacts & Obstacles
- □ Establish & Enhance Relationships
- □ Respect & Trust



Management Systems



11.0 Continuous Improvement

8.0
Communication
& Public
Consultation



What can happen...

- □ Corporate reputation
- □ Shareholder confidence
- □ Costly delays
- □ Regulatory reviews
- □ Project failure

CONCERN OVER CONTAMINATION Lynnwood resident Arthur Boote, left, vents his anger over lead-contaminated soil in his neighbourhood on Andy Teal, Imperial Oil environmental manager, during an open house Tuesday called to answer questions about the contamination. Homeowners seek answers on soil LYNNE KOZIEY CALGARY HERALD believe they will have a value ready bought homes elsewhere

real estate agent selling homes in a southeast Calgary neighbourhood where high lead levels have been found in the soil said business has dropped dramatically since the findings were

"I don't think there is a prop-

until people get some answers."

He said four appointments to view two homes in the Lynnwood area were cancelled on the weekend.

"This is very bad news for everyone. Because of the fear of the unknown about what's going to happen, nobody's going

to look at a house here now." Miller said two families selling

have been left in the lurch.

"Now I can't come through with a guarantee that their houses are going to sell. They're broken-hearted."

Miller joined about 200 residents at a community information session at the Millican-Ogden Community Hall on Tuesday who echoed his concerns that property values could drop.

erated at Ogden Road and 50th Avenue S.E. from 1922 until the mid-1970s. Following its closure, the city reached an agreement with Devon Properties, a wholly-owned subsidiary of Imperial Oil, for homes to be built on the ridge above the refinery site, where its tank farm

SEE SOIL, PAGE A2

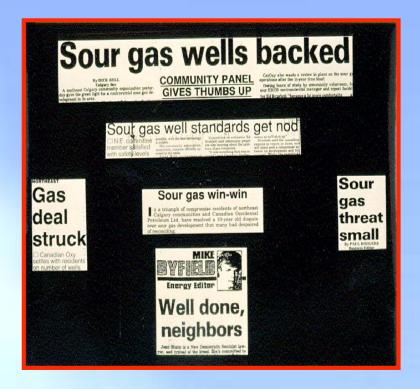
once stood



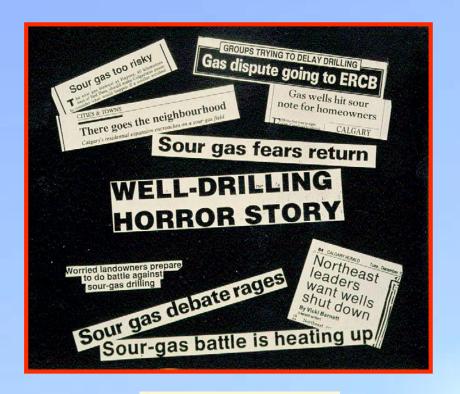
CALGARY HERALD May 23, 2001

Community Affairs - Public Consultation

With Consultation



Without Consultation







First steps...

- □ Investigation
- □ Regulators
- □ Key Stakeholders
- □ Resident
- □ Internal communication
- □ Fenceline



March 2001



Wellsite **Assessment** & Investigation

In late November 2000 during a routine check of petroleum wellsite abandonment certificates, Alberta Environment identified that a surface reclamation certificate for the Jefferson Lake 11 of 27 wellsite was not on file.

Nexen, Wascana Energy Inc. (Nexen / Wascana), partner and operator of the former well, was contacted for verification. An internal review of well abandonment files resulted in Nexen / Wascana being unable to confirm receipt of a

reclamation certificate or site surface conditions at the time the well abandonment licence was issued. An immediate and exhaustive search of historical information and photographs involving past and present employees, both provincial & municipal regulators, the regional health authority, area developers, and the community association has been unsuccessful in determining the reclamation status of the Jefferson Lake 11 of 27 wellsite.

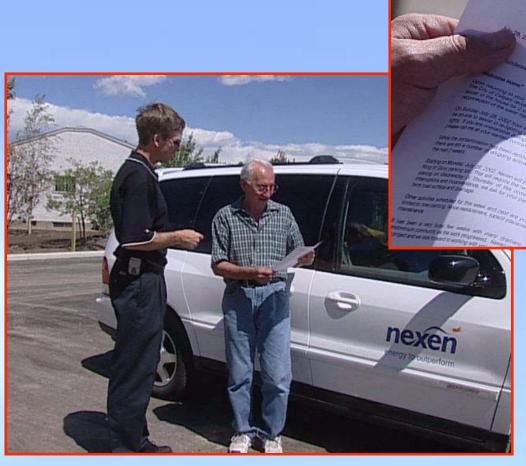
Rundle Community





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Community Interaction





Information to Empowerment...

...Building the better mousetrap

- □ Early Community Involvement
- □ Work the Issues Not the Lawyers
- □ Communication Personalize
- □ Anticipate Downstream Issues
- □ Follow-up



Responsible Care®: A Total Commitment®

- Responsible Care: Performance
 improvement effort established in 1985
 by the Canadian Chemical Producers
 Association
- □ 6 Codes of Practice
- □ Balzac Sour Gas Complex Round 1 verification in 2002.





Responsible Care®: A Total Commitment®

OLD Ethic

Responsible Care Ethic

- 4 Meet the Law
- 4 Keep Low Profile
- 4 Advise the Public
- 4 Defensive to Regulations
- 4 Downplay Public Concerns

- 4 Exceed the Law "do the right thing"
- 4 Be seen for doing the right thing
- 4 Consult proactively with the Public
- 4 Contribute Positively to Public Policy
- 4 Seek to Understand Public Concerns



Bottom Line

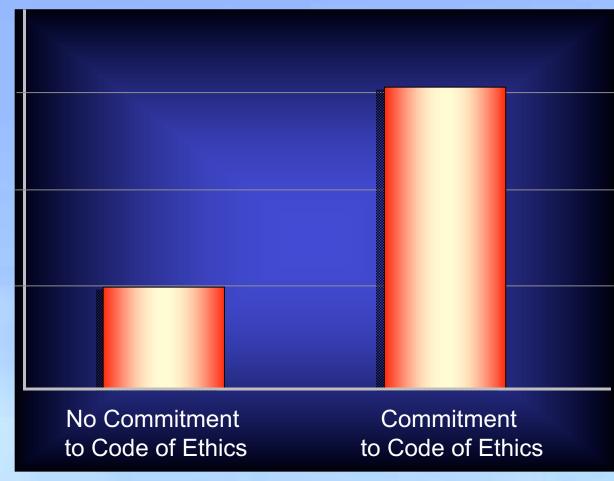
Economic Success & Responsible Global Citizenship





Commitment = Performance

Market Value Added





Source: Business and Society Review

