



# Observations and Compliance Calendar

**CanMUG Presentation**

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# Agenda

- Introduction
- Our Maximo Implementation
- Business Problem
- Our Solution
- DEMO
- Questions

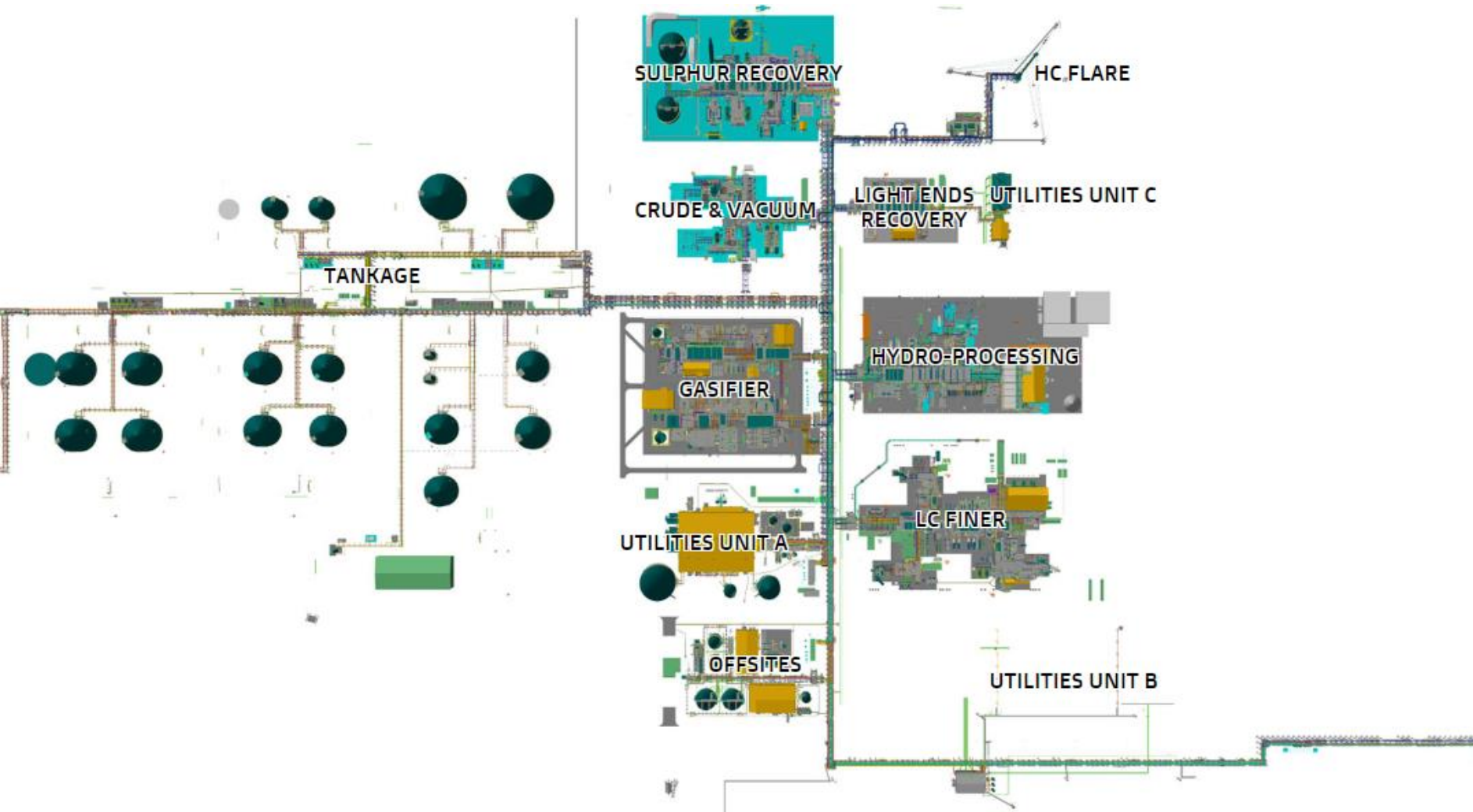


# Introduction

- NWR Sturgeon Refinery is the world's only refinery designed from the ground up to incorporate gasification and a carbon capture and storage solution, while producing the cleaner, high value products needed to meet North America's new low carbon standards.
- We are located approximately 45km north-east of Edmonton, immediately west of Agrium's Redwater Fertilizer Operation in Sturgeon County.
- We have developed a bitumen processing solution that produces ultra low sulphur fuels, while incorporating a CO<sub>2</sub> solution with integrated carbon capture and storage. The result is 1.2 million tonnes of CO<sub>2</sub> that we will capture every year. It's a figure equivalent to taking nearly 300,000 cars off our roads.



# Introduction



<https://nwrsturgeonrefinery.com/>



# Our Maximo Implementation

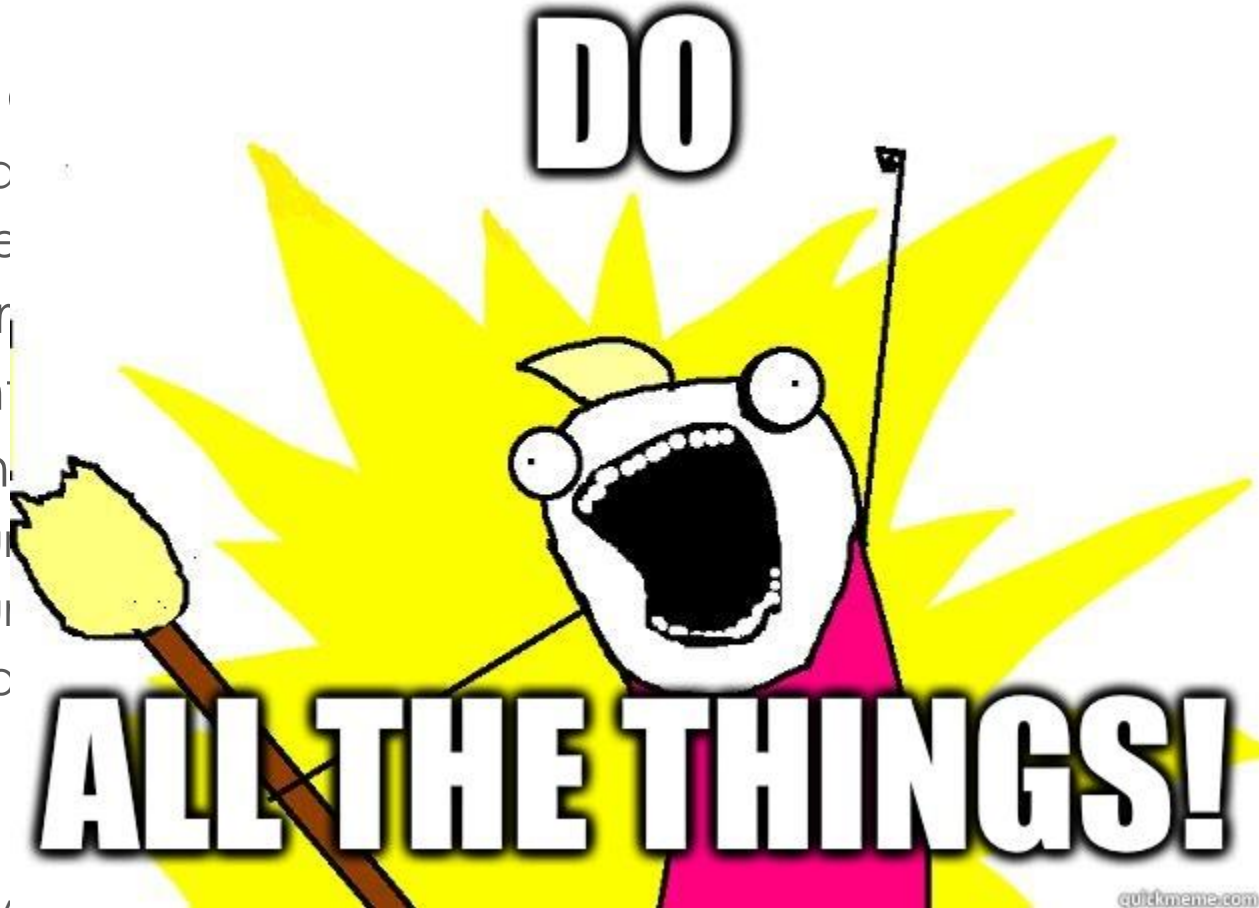
- Greenfield Implementation
- Currently Running Maximo 7.6.0.8
  - Maximo Oil & Gas 7.6.1.0
- Maximo is our “Corporate Memory”



# Our Maximo Implementation

Modules we've implemented

- Work Order Management
  - Planning
  - Preparation
- Labor Management
- Inventory Management
- Purchasing Management
  - Purchase Orders
  - Purchase Requisitions
  - Contract Management
  - 
  - 
  - 
  - Invoicing
  - Desktop Requisitions



Change

Instructions

- Pre Start-up Safety Reviews



## Business Problem – Behavioural Observations

- Need to observe all workers on site during the year
- Record any exceptions
- Track actions assigned to individuals
- Flexible so questions can be updated as business evolves



# NWR Sturgeon Refinery Safety Observation Card

(Front)

Location: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Observer(s)		Workers Observed	
Name	Company	Name (Optional)	Company
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Work / Task Being Observed:

\_\_\_\_\_

Actions / Behaviors		Safe	AT Risk
1	Work/operate with authorization	<input type="checkbox"/>	<input type="checkbox"/>
2	Follow instructions, rules, standards and procedures	<input type="checkbox"/>	<input type="checkbox"/>
3	Plan & obtain authorization before working on live/in motion equip.	<input type="checkbox"/>	<input type="checkbox"/>
4	Plan & obtain authorization before impairing safety devices	<input type="checkbox"/>	<input type="checkbox"/>
5	Identify and mitigate risks	<input type="checkbox"/>	<input type="checkbox"/>
6	Use proper PPE and use it properly	<input type="checkbox"/>	<input type="checkbox"/>
7	Work at a proper pace avoiding rushing	<input type="checkbox"/>	<input type="checkbox"/>
8	Use proper ergonomic positioning avoiding strains	<input type="checkbox"/>	<input type="checkbox"/>
9	Position self out of line of fire	<input type="checkbox"/>	<input type="checkbox"/>
10	Keep eyes and mind on task	<input type="checkbox"/>	<input type="checkbox"/>
11	Use proper tools and equipment and use them properly	<input type="checkbox"/>	<input type="checkbox"/>
12	Disable and tag out defective tools, or equipment	<input type="checkbox"/>	<input type="checkbox"/>
13	Lift properly	<input type="checkbox"/>	<input type="checkbox"/>
14	Work collaboratively with others – communication and respect	<input type="checkbox"/>	<input type="checkbox"/>
15	Warn others of hazards – verbally, with flagging, horns, etc.	<input type="checkbox"/>	<input type="checkbox"/>
16	Get assistance for moving or lifting heavy and awkward objects	<input type="checkbox"/>	<input type="checkbox"/>
17	Refrain from horseplay	<input type="checkbox"/>	<input type="checkbox"/>
18	Secure materials, tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>
19	Load and position materials, tools and equipment properly	<input type="checkbox"/>	<input type="checkbox"/>
20	Maintain good housekeeping – clean and in order	<input type="checkbox"/>	<input type="checkbox"/>
21	_____	<input type="checkbox"/>	<input type="checkbox"/>
22	_____	<input type="checkbox"/>	<input type="checkbox"/>
23	_____	<input type="checkbox"/>	<input type="checkbox"/>





Safety Conversation between observer(s) and workers

Agreements

Five horizontal lines for recording agreements.

Disagreements

Five horizontal lines for recording disagreements.

Factors/Barriers to Safe Action/Behavior

- Not qualified / trained
- Lack of knowledge/information
- Fatigued/tired
- Not physically capable
- Upset/agitated
- Not aware of action/behavior
- Not practical to do
- Proper tools/equipment not available
- Pressure to get the job/task done
- Distracted for personal reasons
- Distractions on work site
- Proper tools/equipment not available
- Pressure to get the job/task done
- Personal choice
- Disagree that behaviour was unsafe
- .....
- .....

At Risk Action/Behavior Number(s)

Eight horizontal lines for recording at-risk action/behavior numbers.

Observation Notes / Suggestions:

(If 100% Safe record why)

Three horizontal lines for observation notes.

Follow-Up Required?  Yes  No Who \_\_\_\_\_ When \_\_\_\_\_



## Our Solution – Behavioural Observations

- Clone Audit & Surveys app
  - Use existing functionality for generating activities
- Existing processes and start centres for individual activity management
- New Start Centre for HSE to ensure activities being completed



# Demo





## Business Problem - Compliance Calendar

- Regulations require periodic actions to take place.
- Activities needed to be assigned to an individual.
- Compliance needs to be tracked and easily auditable



## Our Solution

- Cloned the Regulatory Compliance (Oil) application
- Added functionality to generate activities based on time criteria

Compliance Task?

Compliance Owner:  ➤



Demo

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**A LIVE DEMO IS  
COMING**



memegenerator.net



Questions?

