



**Strathcona  
Industrial  
Association**

# CAER

FALL  
2008

community awareness emergency response

# NEWS



[www.sia.ab.ca](http://www.sia.ab.ca)

## Sherwood Park CAER Fair

**Saturday, September 20<sup>th</sup>**

**8:00 am – noon**

Free pancake breakfast from 8:00 am – 11:00 am

Fire Station #1

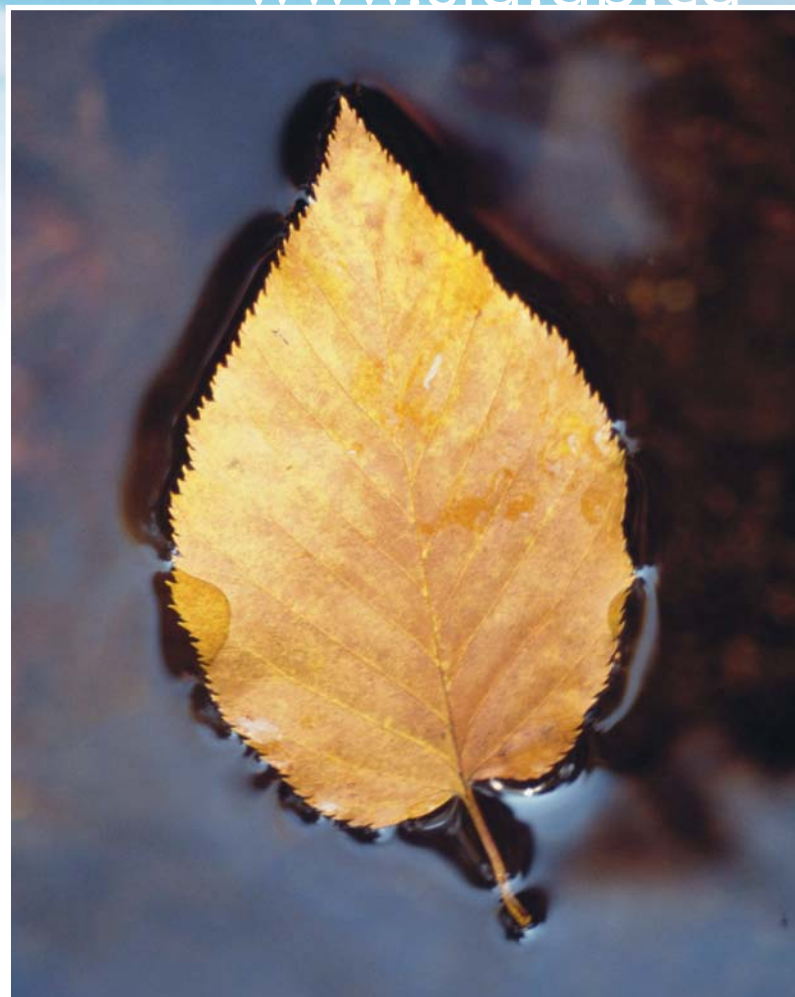
1933 Sherwood Drive, Sherwood Park

The Strathcona Industrial Association invites you to attend our last CAER Fair of the year at Fire Station #1 in Sherwood Park. Visit the fire hall and see emergency response equipment up close. SIA members will have displays and information booths, answering your questions about industrial operations in the community. There will be a free pancake breakfast courtesy of the SIA from 8:00 – 11:00 am.

Full edition of CAER News & 2007 Annual Summary now available at [www.sia.ab.ca](http://www.sia.ab.ca) or call 429-CAER (2237) to receive a copy.

### INSIDE THIS ISSUE:

- SIA Welcomes New Directors
- Focus On: Gold Bar Wastewater Treatment Plant
- 11<sup>th</sup> Annual River Day



Curious about industry activity?



**UPDATEline**

**1-866-653-9959**

**Strathcona Industrial Association**  
*connected to our community since 1974*

# AltaSteel Alberta Environment Approval Renewal

AltaSteel Ltd. is currently applying for a 10 year renewal of the existing EPEA approval for its steel manufacturing operations in Strathcona County, Alberta. The facility currently operates in accordance with approval 1408-01-00 (with amendments), which expires February 1, 2009.

In this application, AltaSteel Ltd. seeks primarily to renew the current approval to continue activities with the existing approval requirements. Amendments to specific clauses to clarify certain terms and conditions and to rationalize reporting and monitoring requirements are proposed. For questions or concerns regarding AltaSteel's operations, the approval renewal application, or the approvals process in general, contact Gerald Foley at: P.O. Box 2348, Edmonton, AB T5J 2R3, Tel: 780-468-7380, Fax: 780-468-7301, E-mail: gfoley@altasteel.com

## City of Edmonton Online Reuse and Recycling Directory

Cleaning out clutter? Simplifying your life? Wondering who wants all your old stuff? Fall is an opportune time to clear out all those items you no longer need and the City of Edmonton provides a list of Edmonton charities, businesses, and services that will accept items for reuse, recycle or safe disposal. To access this directory, go online at [www.edmonton.ca/reusedirectory](http://www.edmonton.ca/reusedirectory) and simply enter an item (e.g. bed, curtains, and bicycle) in the keyword box and click Search. Any organizations looking for those items will come up. Clear your house, ease your mind and give your old items new life!

## Alberta EnviroFuels Turnaround September 5 to October 3

Alberta EnviroFuels' scheduled turnaround for this year will be held predominantly through the month of September with the potential of carrying on into October. The projected contractor attendance at this turnaround will affect traffic traveling on 17<sup>th</sup> Street from Baseline Road and Wye Road. Traffic on 92<sup>nd</sup> Avenue off 17<sup>th</sup> Street will also be affected. Alberta EnviroFuels Inc. is working with the local RCMP to address traffic concerns during this time.

## SIA Welcomes New Directors

The SIA is pleased to welcome two new directors and facility managers at the following member companies:

Imperial Oil,  
Boyd Barrilleaux



Enbridge,  
Dale Burgess



## Gold Bar Wastewater Treatment Plant



Edmonton's award-winning Gold Bar Wastewater Treatment Plant is an example of the rapidly evolving wastewater treatment business. It's an example, too, of Edmonton's leadership in the environmental field as it continues to attract interest from around the world.

Modern day wastewater treatment plants have their origins in the great cholera outbreak in London during the mid 19<sup>th</sup> century, heralding in the era of wastewater treatment. Though they have continued in their role of protecting urban populations from contaminated water, wastewater treatment plants have maintained a low profile. Often located in remote or industrial areas of a municipality, they tended to be out of sight and out of mind.

When the Gold Bar Plant opened in 1956, the small plant was tucked away on the City's eastern outskirts, on the North Saskatchewan River – not far from the Imperial Oil Refinery. Sewage Disposal Plant #1, as Gold Bar was known at the time, was designed for a population of 250,000. Now, more than fifty years later, today's plant serves over 750,000 residents in the Capital Region, including those in Leduc, Beaumont, Nisku and the International Airport.

Gold Bar's primary function is to protect the river while meeting more stringent treatment standards. But its focus is no longer entirely on the river itself. Plant management continues to update their business plans to reflect what Gold Bar is more rapidly becoming – a *Resource Recovery Facility*.

Those recovered resources, or product streams, include:

- 1 high quality effluent discharged to the river;
- 2 biosolids for agricultural application;
- 3 biogas for heating / electricity generation; and
- 4 high quality reclaimed water for industrial and recreational use.

What were once considered byproducts of the wastewater treatment process – sludge and biogas – are now considered high-value resources. Extracting greater value from these resources is part of the focus of the Edmonton Waste Management Centre of Excellence ([www.ewmce.com](http://www.ewmce.com)) and its Wastewater Research & Training Facility, also located at the plant.

Wastewater treatment at Gold Bar will continue to evolve and play an even greater role in the lives of the citizens it serves. The Gold Bar Wastewater Treatment Plant's pioneering work and growing reputation are drawing visitors from across the country and around the world, helping establish Edmonton's reputation as an environmental leader.

To learn more about the Gold Bar Plant, or enquire about a plant tour, call 496-4322 or visit [www.edmonton.ca](http://www.edmonton.ca).

### QUICK FACTS

**Plant opened:** 1956 as 'secondary' treatment facility

**Plant Expansions:** 1969 & 1980

**Current treatment capacity:** 310 MLD (mega or million litres per day)

**Average daily flow (2007):** 270 MLD (enough to fill Kinsmen swimming pool 100 times/day)

**Annual biosolids production:** 19,000 dry tonnes

**Daily biogas produced:** 40 million litres (biogas is ~ 65% methane)

**Employees:** 137 Full Time Equivalents (FTEs)

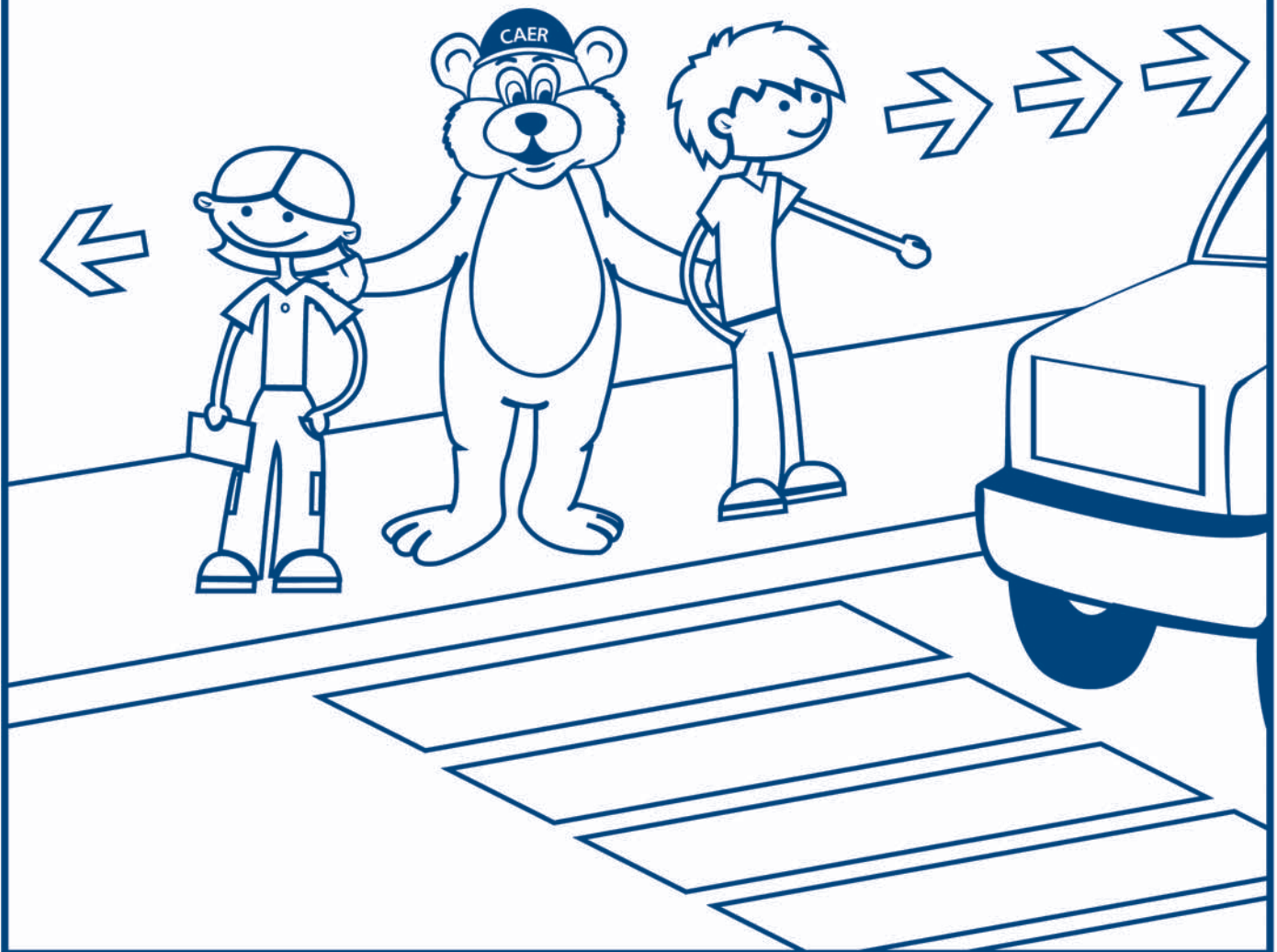
- Upgraded to 'tertiary' treatment standards beginning 1995, completed 2003; included UV disinfection and Biological Nutrient Removal (BNR)
- Largest BNR plant in northern hemisphere
- ISO 14001 Certified – 2004
- Emerald Award winner – 2007
- Pretreatment removes 450,000 kg of grit & 250,000 kg of screenings, which are landfilled
- Membrane Treatment Plant opened in 2006; currently producing up to 15 million litres/day (MLD) for industry; ultimate capacity of up to 40 MLD
- Enhanced Primary Treatment Facilities to open in 2008 for wet weather flows



# SAFETY COLOURING FUN with Aware Bear

**COMMUNITY AWARENESS EMERGENCY RESPONSE**

Use caution when crossing streets



**Strathcona Industrial Association**

Community Awareness Emergency Response (CAER)  
connected to our community since 1974

**“ALWAYS PLAY SAFE AND KNOW WHAT TO DO!”**

For More Safety Tips Check 'Safety Corner' on Our Web Site [www.sia.ab.ca](http://www.sia.ab.ca)

# Petro-Canada Maintenance Activity

The Petro-Canada Refinery will be undergoing scheduled maintenance activities until mid-October. During this period, area neighbours may observe an increase in visible flame or steam from some of the flare stacks. Some additional noise may also be present as a result of the flaring.

The refinery flare system is an integral safety component that ensures the safe disposal of excess refinery gases when starting up and shutting down equipment.

Petro-Canada will work diligently to minimize any impacts of the activity; however, should you notice any excessive noise, odours or have other concerns please contact 780-410-5642.

## Fire Prevention Week is October 5<sup>th</sup> – 11<sup>th</sup>

You can minimize your family's risk of fire-related injury or death by installing the right number of smoke detectors in the right places in your home, and by keeping them all in good working order.

- Install smoke detectors outside each bedroom and sleeping area, and on each level of your home, including the basement.
- Make sure the smoke detectors in your home have the ULC stamp of approval on the product and packaging.
- Read and follow every step of the manufacturer's directions when you install your smoke detectors.
- Follow the manufacturer's directions for testing and cleaning your smoke detectors.
- Change the batteries as often as recommended by the manufacturer.
- Never "borrow" batteries from your smoke detectors for some other device.
- Replace any smoke detector that is more than ten years old.

For more info visit [firecan.ca](http://firecan.ca)

## 11<sup>th</sup> Annual River Day

The SIA partnered with the City of Edmonton Park Rangers to celebrate the North Saskatchewan River during Environment Week in June. More than 2000 people came through Rundle Park to learn about the river and its many uses. Families took part in activities such as fishing, kayaking and water quality testing and learned about industrial operations in the community. "This is our third year participating in River Day and the event continues to expand – both in activities and attendance," says Brenda Gheran, CAER Program Manager. "The focus is the river, how it contributes to every day living and the steps taken to ensure it remains in our future."



# Imperial Oil Report to Neighbours Now Available



Imperial Oil – Strathcona refinery’s annual report to neighbours is now available. The report highlights the refinery’s environmental and safety performance as well as community activities. There are several ways for you to receive a copy – download it from

the web at [www.imperialoil.ca](http://www.imperialoil.ca) in the publications section; call the community relations office at 780-449-8571; or send an email with your name and address to [imperial.strathcona@esso.ca](mailto:imperial.strathcona@esso.ca).

# SDMAP Strathcona District Mutual Assistance Program

SIA members are proud to be part of SDMAP, a partnership of more than 30 industrial and community agencies dedicated to emergency response planning in east Edmonton and Strathcona County. Since 1979, SDMAP members have been sharing best practices for industrial incident planning and response.

Check out the SDMAP website: [www.sdmap.ca](http://www.sdmap.ca)

## SHELTER-IN-PLACE In Case of a Chemical Emergency

1. Go inside. Turn on local radio/TV.
2. Close all windows and doors.
3. Turn off exhaust fans.
4. Listen to radio or TV for further instructions. Keep phone lines free.
5. If odour is strong, seal an inside room with wet towels at base of door. Breathe through a damp towel to filter air.



911 should be called only for emergencies.



## We would like to HEAR FROM YOU!

### COMMENTS:

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Send to:  
Strathcona Industrial Association, P.O. Box 3374,  
Sherwood Park MPO Sherwood Park, AB T8H 2T3  
or visit [www.sia.ab.ca](http://www.sia.ab.ca)



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