

Join us for... **River Day**, Rundle Park
Saturday, June 11th, 10 am – 2 pm
Sherwood Park CAER Fair, Millennium Place
Saturday, September 17th, 9 am – 1 pm

Curious About Industry Activity?

 **UPDATEline**
1-866-653-9959

Community Awareness Emergency Response

CAERNEWS

SUMMER
2011



Celebrate **River Day** with SIA!

Bring your sunscreen, a hat and refillable water bottle and celebrate the Annual River Day at Rundle Park.

2909 – 113 Avenue
Saturday, June 11th, 10 am
Free breakfast sponsored by SIA, 10 am – 11:30 am
Displays, water activities, demonstrations
Fun for all!

Full edition of CAER News & 2010 Annual Summary now available at www.sia.ab.ca or call 780-429-CAER (2237) to receive a copy.

INSIDE THIS ISSUE:

- Environment Week Feature
- Stakeholder Luncheon Held May 5th
- Focus On: Alberta EnviroFuels Inc.
- Get Prepared Strathcona!
- What is Shelter-in-Place?
- Imperial Oil Recognized as "Best Performer in 2010"
- Do You Hear What I Hear?
- Capilano CAER Fair
- Celebrate 60 Years With Suncor!
- EPCOR Gets Ready in the Park

Environment Week Feature: SIA's Ambient Air Quality Monitoring Network



Strathcona Industrial Association members have programs at the site level to continuously challenge themselves to improve their environmental performance. Various initiatives have included equipment and technology upgrades, preventive maintenance, waste reduction and diversion, and energy conservation. SIA members are active participants in province-wide environmental improvement initiatives. While a week is dedicated to raising environmental awareness in Canada, it is part of how business is done each day at SIA member facilities.

One of SIA's key initiatives is operation of an ambient air quality monitoring network. The network has been in place since 1979, when SIA worked with Alberta Environment to integrate the individual monitoring stations of its members into one network to monitor overall ambient air. Located in a 12 km² area in east Edmonton and west Strathcona County, the SIA network:

- monitors air quality trends and changes
- confirms effectiveness of emission control measures
- assists with immediate investigation of unusual readings
- collects and contributes data for scientific studies
- provides air quality information to the community

Types of Monitoring

The SIA network employs three methods of monitoring:

Continuous monitors gather real-time data 24-hours per day, seven days per week. **Intermittent monitors** collect data once every six days for a 24-hour period, in accordance with the National Air Pollution Surveillance (NAPS) program across the country. **Passive monitors** collect data for an entire month.

Measuring Air Quality

Substances measured at the stations are indicators of heavy industrial activity in the region, as well as general urban activities that contribute to overall ambient air quality. The network measures hydrogen sulphide, sulphur dioxide, oxides of nitrogen, total hydrocarbons, particulate matter, ozone, as well as wind speed and direction.

Response System

Occasionally, weather conditions, process upsets at industrial facilities or incidents like forest fires may cause local concentrations of measured substances to rise. When a concentration reaches an alert level, which is set below provincial objectives, an investigation is conducted by the network manager.

Annual Summaries and More Info

Annual ambient air monitoring network summary reports are available on-line. Visit www.sia.ab.ca to download, call **780-429-CAER (2237)** or email info@sia.ab.ca to request a copy.

Stakeholder Luncheon Held May 5th

Community, government and industry groups joined the SIA for lunch on May 5th. Suncor's Bradley Wamboldt delivered an informative presentation on the company's new tailings management technology – TRO™. For more information on this innovative technology, visit www.suncor.com.



FOCUS ON



Alberta EnviroFuels Inc.

Teamwork is a cornerstone to Alberta ENVIROfuels (AEF). When the company started up in 1992, it was Canada's only manufacturer of MTBE (Methyl Tertiary Butyl Ether), a gasoline-blending component. Anticipated changes in market demand for more environmentally-friendly gasoline products prompted AEF to convert its facility in 2002 to produce Isooctane.

Isooctane is a non-toxic, clear liquid with a mild gasoline odor. It is not water soluble but is soluble in organic solvents and therefore blends well with gasoline. Isooctane is an excellent gasoline-blending component with an octane value of 100 and low vapor pressure of 1.8 psi. It is valued as a premium blending component for supreme grades of gasoline.

AEF produces enough isooctane to fuel approximately 45,000 vehicles per day.

Committed to Health, Safety and the Environment

AEF's Health, Safety and Environment (HSE) target is zero incidents supported by HSE excellence. To achieve excellence in HSE, AEF focuses on many proactive approaches to prevent incidents from occurring. These include job hazard analysis, field hazard assessment, observations, leak detection and repair, and preventive maintenance of equipment. Each approach or element has measures to gauge performance, and the various HSE measures are quantified into a combined HSE Excellence score.

AEF is the first company to attain the Champions level of the EnviroVista program sponsored by Alberta Environment in 2007. In March 2011, AEF also received the *Dwight Bowhay Memorial Health and Safety Innovation Award* from the Alberta Petrochemical Safety Council.

Committed to Community

AEF is an active member of the Strathcona Industrial Association (SIA). There are AEF representatives on the following SIA committees/programs:

- Environmental Committee operates a network of ambient air monitoring stations in Edmonton and Sherwood Park
- Community Awareness program maintains dialogue with the community and promotes issues on health, safety and the environment.

AEF's QUICK FACTS

Plant opened: 1992

Employees: ~97

Product: Isooctane, a gasoline-blending component

Production: 520,000 tonnes/year (nameplate)

Feedstock: Butane from Alberta sources

Markets: Western Canada & West Coast United States

Location: 17 St. & 95 Ave. between Edmonton & Sherwood Park

Joint Venture owned by: Neste Canada Inc. and Chevron Standard Limited

Phone: 780-449-7800

Get Prepared Strathcona!

SIA participated at the "Get Prepared Strathcona" event in Sherwood Park on May 15th. A number of safety and emergency preparedness and response organizations came together at the new Strathcona County Community Centre's Agora to provide information to the public and answer questions. Strathcona Industrial Association provided information on industry emergency planning and preparedness, including training exercises and ongoing communication with response partners.




A demonstration by the Search and Rescue Dog Association was a highlight.

What is Shelter-in-Place?

Shelter-in-place is a protective safety action residents may be recommended to take in case of an accidental release of an airborne hazardous substance.

Shelter-in-place steps allow you to prevent outside air from entering your home. The steps to shelter-in-place are simple.

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.

Does shelter-in-place really work?

Yes it does. Shelter-in-place has been shown to be a safe response to a hazardous material release. Houses built for winter conditions are especially suited for shelter-in-place. For the most part, they are tightly constructed and provide a good protective barrier against airborne chemicals. Shelter-in-place is also effective because it is easily and quickly accomplished. In a matter of moments, you can be safe inside your pre-selected room should this type of emergency occur in your area.

When should I shelter-in-place?

Municipalities in Alberta have access to the Emergency Public Warning System that allows them to interrupt local TV and radio programming to deliver emergency messages. If you hear the shelter-in-place instruction on the radio or TV, go inside and turn on your radio to find out what you should do. Or, if you smell a strong or unusual odor and you don't know where it's coming from, go inside and take shelter-in-place steps while you listen to local radio or TV for information.

Where can I get more information?

Each person can access emergency preparedness information from their local municipal emergency services. It is important to be aware of any risks in your area, and ensure you have a plan to respond. It's all part of being prepared.



Strathcona Industrial Association members all post information messages about activity on their sites that the public may see, hear or smell and be curious about. The line is available 24-hours/day, 7 days/week. If you are curious about non-routine industry activity, call the UPDATEline.



Imperial Oil Recognized as "Best Performer in 2010"

Imperial Oil – Strathcona Refinery has been recognized by the Alberta Petrochemical Safety Council for achieving "Best Performer in 2010" for the lowest worker injury rate amongst Alberta Petrochemical Safety council members in the 2 million to 5 million person hours category. The award recognizes both employees and contractors at the work site. Accepting the award are Strathcona refinery's joint health and safety committee co-chairs Joost Emmen (left) and Kris Norman.

Do You Hear **What I Hear?**

Recently, a few residents contacted us about alarms they hear, and if that means they need to take any action. The answer is no, but we're glad you asked.

An integral component of site safety programs is the on-site alarm, which is used to alert workers to a change or activity which may impact their work. Alarms must be loud enough to alert workers with hearing protection and in noisy areas, to ensure employee and overall site safety. Although not intended, these alarms can occasionally be heard in the community. Alarm systems are tested usually on a daily basis to ensure they work when they need to.

How does sound travel?

Sound is produced by vibrating objects. When an object vibrates, it causes slight changes in air pressure. These air pressure changes travel as waves through the air and produce sound.

If the alarm systems have been in place a long time, why can I hear it now?

A number of factors influence sound and audibility – a tree is removed, a house is built – all these things can cause sound to bounce (or not bounce) and be heard in places it wasn't before. Sometimes the seasons also contribute to audibility of alarms. In spring and summer, leaves provide a type of dampening effect to noise. In autumn, the leaves come down, and sound is better able to travel. Wind direction can also be a factor in how sound travels.

If not by alarms, how is the community notified?

SIA members work together with both Strathcona County Emergency Services, and City of Edmonton Fire/Rescue. Should the community need to take action, our members contact the municipal fire department who will then get messages or instructions out to the community. For more detail, contact your local municipality.

Where else can the community get information?



Since 2006, SIA members have been posting messages to the UPDATEline. The UPDATEline is a 24-hour telephone information line with recorded messages about unusual activities on member site for the community to access.

If you would like to discuss this, or any other matter related to industrial operations in the community, please call the CAER line at **429-CAER (2237)** or email us at **info@sia.ab.ca**.

Capilano CAER Fair



On Saturday, April 30th, over 400 people came to Capilano Mall to learn about their industry neighbours at the 2011 Capilano Community Awareness Emergency Response (CAER) Fair. "There continues to be a lot of community interest in our members and their operations, which is great to see," says Brenda Gheran SIA CAER Program Manager. "CAER Fairs offer the community a way to learn about industry in their community. The bus tour of the industrial area is always popular."

The SIA wishes to thank Capilano Mall, Albert's Restaurant, and the community organizations who all contributed to a successful event.

Celebrate **60 Years** With Suncor!

Mark Your Calendars For September 10th!

Suncor Energy Edmonton refinery is celebrating 60 years! The community is invited to an **open house** to celebrate this key milestone. This will be a celebration of over half a century of success, dedication and commitment by Suncor's Edmonton refinery employees to Strathcona County, the City of Edmonton and the province.

The open house will be held at the refinery from noon to 5 pm on Saturday, September 10th. Refinery tours, displays, entertainment and food/refreshments will be available.

Watch for more information closer to the event date.

EPCOR Gets Ready in the Park



We would like to **HEAR FROM YOU!**



EPCOR mascots Flash and Splash entertained kids with their antics.

There was no mistaking who made the biggest splash at the recent "Get Ready in the Park" event at Edmonton's Hawrelak Park on May 7th.

Representing EPCOR at the public family day event were Technologies, Water, D&T, and Gold Bar. Everyone came out with the tools of their trade to show people how EPCOR responds in emergencies, such as outages or fires – and plans ahead to ensure the safety of the crew and the public.

That was the theme of "Get Ready in the Park," which was part of **National Emergency Preparedness Week**. The event carried an important reminder about the need to be ready and have a plan for any emergency, whether in or out of the home, at work or on the road.

For the safety of you and your family, having a plan and practicing it regularly could mean the difference between escaping harm – or suffering it. That means assessing the hazards in your area, preparing 72-hour emergency kits for the car and home, and making a plan for escaping harm. Learn how to get prepared at getprepared.ca.

EPCOR's Distribution & Transmission staff drew big crowds with their electrical safety demonstration involving singeing hot dogs on live wires.



COMMENTS:



Send to:
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Sherwood Park MPO Sherwood Park, AB T8H 2T3
or visit www.sia.ab.ca

Safety Colouring Fun With Aware Bear



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