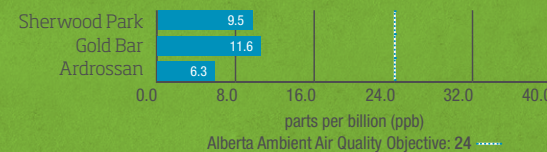
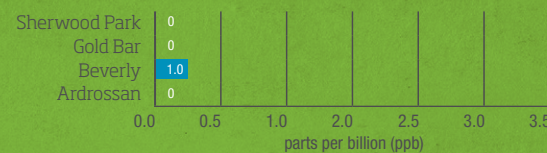
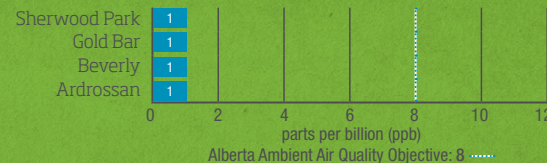


# DATA Analysis

By consistently monitoring and measuring our performance, we are better able to understand the effects of industry and gather scientifically valid data about current local air quality and long-term trends. We share this information via our ongoing reporting to Alberta Environment and Parks and our annual Ambient Air Monitoring Report.

Review all data at [siayearinreview.com](http://siayearinreview.com)



Our members are invested in continuous quality improvement, which means that from time to time, preventative maintenance, renovations or upgrades are required. These planned breaks in production are known throughout the industry as turnarounds. Scheduled maintenance activities are the product of extensive planning and coordination. Turnarounds also generally begin in the spring, just as Albertans are setting their clocks forward and tidying up their own homes and yards. The process can take a few days, weeks or longer depending on the project complexity.



SIA is a not-for-profit association representing east Edmonton and Strathcona County heavy industrial operators. Our members share a commitment to safe and environmentally responsible operations and are proud to provide a common voice for industry.

Report to the Community

2016



Scroll through the full story at [siayearinreview.com](http://siayearinreview.com)



# time to Reflect

With our great nation celebrating its 150th birthday this year, it seemed fitting to look back at our own achievements over the last few decades. The stories in this year's annual report illustrate the depth and breadth of experience that we are fortunate to have in the Capital Region. Our members come from diverse backgrounds, yet they continue to find common ground for impactful and collaborative action. Each of our 12 member companies have made a commitment to invest time and effort into looking beyond the scope of their day-to-day business.

## Distance Travelled over the Decades



While SIA originated in the seventies, most of our members began their local operations in the postwar period – a boom in activity that prompted the development of communities like Sherwood Park and Gold Bar. Today, our member companies employ over 2,500 people. A lot has happened since we began this journey 42 years ago. Here are a few stand out moments in time:

### 1970s

Land planning issues and environmental concerns spur the development of a not-for-profit association that provides a common voice for industry. This innovative industrial partnership approach is the first of its kind in the region.

### 1980s

SIA Air Monitoring Network expands by adding two industry-operated stations. Our state-of-the-art facilities are integral to enhancing regional air quality monitoring and management.

### 90s

Celanese is instrumental in forming the (CAER) Program – one of six codes in Responsible Care® – a made-in-Canada program embraced by industrial companies in 42 countries worldwide.

### Y 2 K

Many of our member companies participate in the United Way's Day of Caring – helping to fund local social welfare agencies like; the Food Bank, Hope Mission, Mustard Seed, Homeless Connect Edmonton and Kara Family Resource Centre.

### 2010

During this decade Rio Tinto Alcan celebrates 20 years without a lost time injury & Imperial Oil Strathcona refinery celebrates 25 years of project construction without a lost time incident.

## Essential

### TIMING

For nearly 40 years, more than 30 industrial companies and community agencies have been coming together to plan for, and test emergency response readiness in east Edmonton and Strathcona County. The Strathcona District Mutual Assistance Program (SDMAP) is continuing to play a vital role in our communities by raising awareness and providing essential information about dangers and safety measures specific to industrial materials.

Our focus on responsible air quality management dates back to 1976 when multi-stakeholder monitoring was first endorsed and adopted by local industry and Alberta Environment and Parks (AEP). Soon after, four continuous air monitoring stations were commissioned and a robust ambient air quality monitoring network was established.

## Around the clock monitoring

It just takes a moment to have a profound impact. SIA understands the importance of local connections and ongoing support. Our members are actively involved in a number of signature events and causes.

### River Day



Nearly 1,000 came together to learn about recreational water safety on the North Saskatchewan River. SIA is an avid supporter of this City of Edmonton event and enjoys hosting the pancake breakfast every year.

### Fall Gatherings



In September, SIA once again sponsored the pancake breakfast for Greater Hardisty Community Day. Several members were also involved by sharing information and resources with local residents.

### Year-round Giving

Many of our member companies participate in the United Way's Day of Caring – help fund local social welfare agencies such as; Edmonton Food Bank, Hope Mission, the Mustard Seed, Homeless Connect Edmonton and Kara Family Resource Centre.



PARAMETER	# OF STATIONS	AVERAGE TYPE	AAAQO	NUMBER OF EXCEEDANCES
SO <sub>2</sub>	4	1-hour	172 ppb	0
		24-hour	48 ppb	0
		Annual	8 ppb	0
H <sub>2</sub> S	4	1-hour	10 ppb	8
		24-hour	3 ppb	0
NO <sub>2</sub>	3	1-hour	159 ppb	0
		Annual	24 ppb	0
O <sub>3</sub>	2	1-hour daily maximum	82 ppb	0
Continuous PM <sub>2.5</sub>	1	1-hour	80 µg/m <sup>3</sup>	7
		24-hour	30 µg/m <sup>3</sup>	1
Intermittent PM <sub>2.5</sub>	1	1-hour	80 µg/m <sup>3</sup>	0
		24-hour	30 µg/m <sup>3</sup>	0

