

RTFT – Sorel-Tracy Metallurgical Complex

2019 Sustainable Development Scorecard



OUR OPERATIONS

Rio Tinto Fer et Titane (RTFT) has been processing ore from its ilmenite mine at Havre-Saint-Pierre for decades. In 2020, the company is celebrating its 70th birthday! It is a major producer of titanium dioxide feedstock, used widely as pigment for high-quality white finishes, and is a global leader in high purity metallic powders. It also produces iron and steel for highly specialised applications in sectors such as the automotive industry and wind power.

This sheet describes the main sustainable development indicators for 2019 at RTFT's Metallurgical Complex in Sorel-Tracy. Feel free to share it across your networks.

Your feedback is welcome:
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INVESTMENTS AND GROWTH

We continued OUR PROJECT aimed at positioning the Metallurgical Complex for the future and achieving our target of \$430 per tonne.

Investments

In 2019, RTFT devoted **\$148 M** to capital investments.

Three furnaces were refurbished in Sorel-Tracy, for an investment of \$90 M. Almost all of the contracts were awarded to regional companies.

Production

- **0.8 M tonnes of slag**
(used to produce titanium dioxide products)
- **0.6 M tonnes of cast iron**
(used to produce iron and steel products)

Innovation as a lever for growth:

- Ongoing implementation of an innovative process for reclaiming high purity scandium oxide at the Sorel-Tracy Technology Centre and production of Al-Sc master alloy
- Development of new value-added grades of titanium dioxide (Hi-Ti)
- Significant improvement in reduction furnace technology



HEALTH AND SAFETY

Metallurgical Complex

8
recorded injuries

0.5
AIFR⁽¹⁾



(1) All injury frequency rate
(number of lost time, work restriction and medical follow-up incidents x 200,000/number of hours worked)

Prevention

There was an improvement in our safety performance thanks to the commitment shown by all employees and contractors, along with the shift undertaken in 2018 to bolster our safety culture. RTFT's all injury frequency rate shrank by 24%.

A new dashboard implemented at all RTFT facilities enabled us to monitor and improve our safety leadership and impact on interactions with shop floor personnel. The adoption of *Safety Impact Leadership (SIL)* brought about a transformation in our safety culture, by concentrating our focus on aspects with an impact.

Health and hygiene

In addition to regular medical follow-ups, RTFT conducted an annual employee exposure sampling and analysis programme. In 2019, 95% of the sampling programme was completed and 228 audiometric tests and 215 periodic examinations were carried out.



PEOPLE

Employees

Number of employees*
1,392

% of women
8%



Training

Hours
57,916

Employees in training
1,243

RTFT recruited **185** people in 2019, 170 of them at the Sorel-Tracy site.

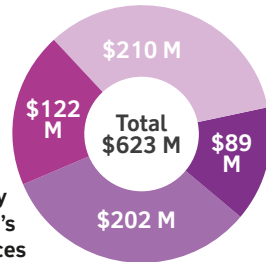
Employee engagement is a key lever for ensuring our company's long-term future in a competitive market. Our personnel renewed their trust by signing four collective labour agreements before the expiry dates.

* Total workforce at the Metallurgical Complex and Technology Centre on 31 December 2019

ECONOMIC IMPACT

RTFT total expenditures **\$670 M**

32% of the Sorel-Tracy Metallurgical Complex's expenditures for services are concentrated in the region.



Breakdown of Sorel-Tracy Metallurgical Complex expenditures

- Local
- Rest of Quebec
- Rest of Canada
- International

COMMUNITY AND PARTNERSHIP APPROACH

\$488,000

in community investments, including a major contribution to regional economic diversification

Recognition token programme to support local organisations

An employee recognition programme was created to congratulate employees who display exemplary behaviour with regard to safety and other issues, and at the same time to support local organisations. Employees receive tokens that they can redistribute to chosen local organisations.

In 2019, close to \$3,000 was donated to Halte-Soleil, Maison Le Passeur and ADIRS.

Domestic violence policy training

RTFT has provided training on its new domestic violence policy to about a hundred employees so far. Two organisations active in this area, Maison La Source and Maison Le Passeur, have benefited from this training.

ENVIRONMENT

Water consumption

46.8 M >>>
cubic metres



Average annual suspended solids in water treatment plant effluents

7.7 mg/L >>>

Ambient air quality (particles)

8 >>>

observed exceedances of the ambient air quality criteria set forth in the *Clean Air Regulation*

Sulphur dioxide (SO₂) emissions

1,983 ○
tonnes per year

Energy and greenhouse gases

Production rate

64%
of maximum production capacity

Energy consumption

2,897
Gigawatt hours

GHG production

988 ○
kilotonnes of CO₂ equivalents

Residual materials

Non-hazardous residual materials		Refractories		Hazardous residual materials	
Tonnes/year	% recycled	Tonne/an	% recycled	Tonne/an	% recycled
12,263	61%	7,514	61%	2,327	91%

Environmental incidents

65 >>>
incidents



Most of the incidents involved controlled spills, overflows and dust. Another type of exceedance (of suspended solids) was linked to a new effluent subject to the *Metal and Diamond Mining Effluent Regulations*. A team is currently dedicated to correcting the situation.

17 >>>
complaints (noise and dust)

219
homes cleaned



Compensation program for owner-residents of homes near RTFT facilities

Modelled noise level per sector (dBa) 2019

Moreau Street sector (Saint-Joseph-de-Sorel)	57
Du Souvenir and Bonin streets sector (Saint-Joseph-de-Sorel)	55
rang Saint-Joseph sector (Saint-Ignace-de-Loyola)	51

The acoustic wall separating a residential neighbourhood in Saint-Joseph-de-Sorel from RTFT's operations was extended in 2019.

LEGEND

- >>> Increase
- >>> Stable
- >>> Decrease
- Proportionate to production