

Rouen Environmental Testing and Analyses

As affirmed by numerous well-respected environmental and health organizations, the Lubrizol materials burned in the fire impacting its site on September 26, 2019 pose **no health threat**, short or long-term. This has been validated by extensive, third-party testing.

NO HEALTH OR ENVIRONMENTAL THREATS AS AFFIRMED BY:

39 independent labs

265,000 test results

4,000 samples

Validated by Well-Respected Labs and Organizations

More than 3 dozen organizations completed analyses, including:

- Agence de l'eau Seine-Normandie
- The French Agency for Food, Environmental and Occupational Health & Safety (ANSES)
- Agrolab
- Aquabio
- Regional Health Agency (ARS)
- Atmo Normandie
- Bureau Veritas
- Center for Documentation, Research and Experiments on Accidental Water Pollution (CEDRE)
- Eurofins
- National Institute for Industrial Environment and Risk Analyses (INERIS)
- ... and many, many others

ASSESSMENTS OF AIR, SOIL, WATER AND FOOD PRODUCTS



Air

Analysis by SDIS, Atmo Normandie and INERIS during and immediately following the fire

Approximately 500 samples tested for Carbon Monoxide, Nitrogen Dioxide, Sulfur Dioxide, Volatile Organic Compounds, Dioxins/Furans, Polycyclic Aromatic Hydrocarbons and Trace Metals

FINDING ▶ no hazards tied to fire

"Thresholds allow us to rule out a damaging effect on health."
INERIS



Drinking Water

Approximately 500 samples with 36,000 test results measuring Volatile Organic Compounds, Dioxins/Furans, Polycyclic Aromatic Hydrocarbons, Polychlorinated Biphenyls, Perfluorinated Compounds and Trace Metals ordered by the Regional Health Agency

FINDING ▶ water safe to drink

"The results obtained confirm the absence or presence in very low concentrations and well below the reference health values of the desired products. Tap water is safe to drink in Normandy: it can be consumed without health risks."
Regional Health Agency



Surface and Ground Water

More than 25,000 test results carried out by the Seine-Normandie Water Agency, Aquabio, ANTEA, Toxem and others for a variety of different substances

FINDING ▶ no abnormalities, all findings consistent with historical studies

"Measured concentrations have been compared, either at regulatory thresholds where they exist, or at historical concentrations over the past 4 years. There are few overruns in these titles."
Seine-Normandie Water Agency, January 21, 2020



Soil and Plants

2,400+ samples across 200+ Seine-Maritime and Hauts-de-France municipalities were analyzed and shared as part of a State of the Environment study

FINDING ▶ no hazards, all findings associated with historical findings

"The IEM does not conclude that the fire is accountable."
Transparency and Dialogue Committee of June 5, 2020



Seine River

Approximately 150 samples of water and sediments upstream and downstream from the river location and in the Bassin aux Bois, as well as ecotoxicity tests

FINDING ▶ no toxicity tied to the fire

"The total results obtained in the toxicological monitoring of sediments between Rouen and Tancarville put in place following the discharge of the extinction waters in the Darse aux Bois basin, do not highlight a toxicological problem related to the disaster "Lubrizol - Normandy Logistics" of September 26, 2019."
Toxem



Food and Animal Feed

Hundreds of samples of milk, eggs, vegetables, fruits and animal feed analyzed by government laboratories

FINDING ▶ no hazards

"All test results obtained so far are either consistent with thresholds or, if there are no thresholds, background noise."
Transparency and Dialogue Committee



Nursing Mothers

Breastmilk from Rouen mothers was analyzed and compared with milk from mothers from other towns

FINDING ▶ no link to the fire

"The analysis shows that this is background noise observed in Rouen before the fire, but also in other cities in France..."
Agnès Buzyn, National Assembly remarks



Soot

Soot samples were taken several times in the hours and days following the fire

FINDING ▶ no dioxins resulting from the fire

"The results of dioxins/furans taken between 26 and 27 September 2019 are low, overall within the range of those usually measured in a 'white field'."
Atmo Normandie