

Case Study

Food Processing Plant, South-Western Ontario

No matter **what** the
“**Case**” may be...

We **provide** the
missing **piece**!



Results

- Odor problem resolved.
- New custom AirSolution formulation created.
- Ongoing and current client.

Problem

Odorous emissions, generated by a food Processing Plant (pet food) located in South-Western Ontario, attracted a significant number of complaints from area residents.

Solution

HLS Ecolo installed an EP system with 8 spray nozzles, placed on top of the exhaust duct. Initially, two common Ecolo AirSolution formulations were tried. While an improvement was noted, the odor reduction was not sufficient. The mitigating problem was then determined to be the very high temperature of the odorous gas (above 100°C), emitted through the duct above. It was also realized that at such a high temperature, and prior to contacting the odorous gases, AirSolution containing alcohol evaporated instantly.

Conclusion

As a result of these findings, Ecolo developed a new AirSolution formulation that had the capacity to neutralize disagreeable odors at elevated temperatures. The customer administered the new product formulation and found it to be highly effective, resulting in the odor problem getting solved.