

Applicant Submission

Company Name (if applicable):

The City of Calgary

LOC Number (office use only):

LOC2023-007

Applicant's Name:

Abel Leon

Date:

March 31, 2023

The proposed Development of an Odour Scrubber building on 490 Canyon Meadows Drive is part of the City of Calgary's Fish Creek Sub-trunk Upgrade Project. The Fish Creek West Sanitary Trunk will transport sanitary flows (wastewater) from the communities of Woodbine, Woodland, and canyon Meadows, as well as, wastewater from Tsuut'ina Nation. This wastewater will travel through Calgary's wastewater collection collection system to Fish Creek Wastewater Treatment Plant.

The Odour Scrubber Building will be located on the west side of the CP Railway ROW prior to where the sanitary trunk main becomes a siphon across the ROW. Sulphide modelling, ventilation Modelling and a risk analysis were conducted for the system. It was determined that this location was a particular risk of odour complaints due to the sulphides generated in the siphon, turbulence from the geometry, and the sewer headspace pressurization. Therefore, the City decided to construct an Odour Control facility as part of this project in order to avoid to odour complaints in the neighborhood.

For more information on this project, visit [Calgary.ca/fcwsanitary](https://calgary.ca/fcwsanitary). If you have further questions, contact 311.

Thank you in advance for your cooperation

Sincerely,

Abel Leon, P.Eng., M.Eng., PMP

Project Engineer, Wastewater & Stormwater

Utilities Delivery, Mail code: # 436

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