

Project Profile

Project Name:	Ambient Noise Study—Farmington Development Area
Project Number:	ES-Wells-2020-01
Proponent:	Patching Associates Acoustical Engineering Ltd.
Funding Envelope:	Engineering and Safety—Wells, Facilities and Other
Timeframe:	August 19, 2019, to April 30, 2020

Project objectives

The objective of this project is to conduct an ambient noise study from major roadways in the Farmington Development Area (FDA) that:

- Provides data for consideration in a review of current noise best practices and associated permissible sound levels in B.C.
- Provides more targeted and specific information to optimize noise mitigation planning.

Project description

This project aims to collect data for consideration in a review of noise best practices and associated permissible sound levels in B.C. Current best practices are based on research conducted in Alberta several decades ago that relied on approximate and simplified categories to establish permissible sound levels and compliance criteria for oil and gas activities. A more robust system should reflect actual ambient conditions and geographic complexities—a system that incorporates modern noise monitoring and modeling techniques.

Project approach

The project will be carried out in three phases:

1. Evaluate ambient sound conditions near Highway 97 through the FDA.
2. Evaluate ambient sound conditions near two other regional roadways in the FDA region.
3. Evaluate ambient sound conditions for areas away from Highway 97 and regional roadways.

Project deliverables

The deliverables from this project include the following:

1. Final Report summarizing the approach, findings and implications.
2. Noise contour maps showing validated noise contours and propagation from roadways.