

Rural Impacts

Jessica Ernst
& East Coast
Communities

Truro, NS
Dec 3, 2011



“The regulatory framework in New Brunswick is one of the most rigorous in North America, involving detailed environmental review and technical assessment before wells are drilled or hydrocarbon produced.”

**Shale gas companies must
'protect the surface resources'**

**What about us, our families,
communities & the subsurface?**

CBC News Nov 30, 2011 <http://www.cbc.ca/news/canada/new-brunswick/story/2011/11/14/nb-f-shale-gas-contact-steve-harding-558.html>

Some Frac Impacts

Poisoned, dangerous &/or lost water

Compromised health & loss of rights

Conquered, divided, unsafe communities

Road & infrastructure damages

Frac Impacts Cont'd

Poisoned air, includes noise

Poisoned foods grown in toxic waste

In time, jobs that were solid, gone

Poisoned regulators & politicians

Who's minding the shop?



**We and our children and their futures pay,
not the companies doing the damages and poisoning**

Tricks to get away with the frac impacts

1. Tall Oil Men & Intimidation

2. Synergy: Lies, Bribes & Best Practices

Noise Monitoring Survey,
EnCana Corporation
LSD 7-13-27-22 W4M
Compressor Station

Prepared for:
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Patching Associates Acoustical Engineering Ltd.
Consultants in Acoustics, Noise Control and Vibrations

September 23, 2004
File: 2004 – 1724

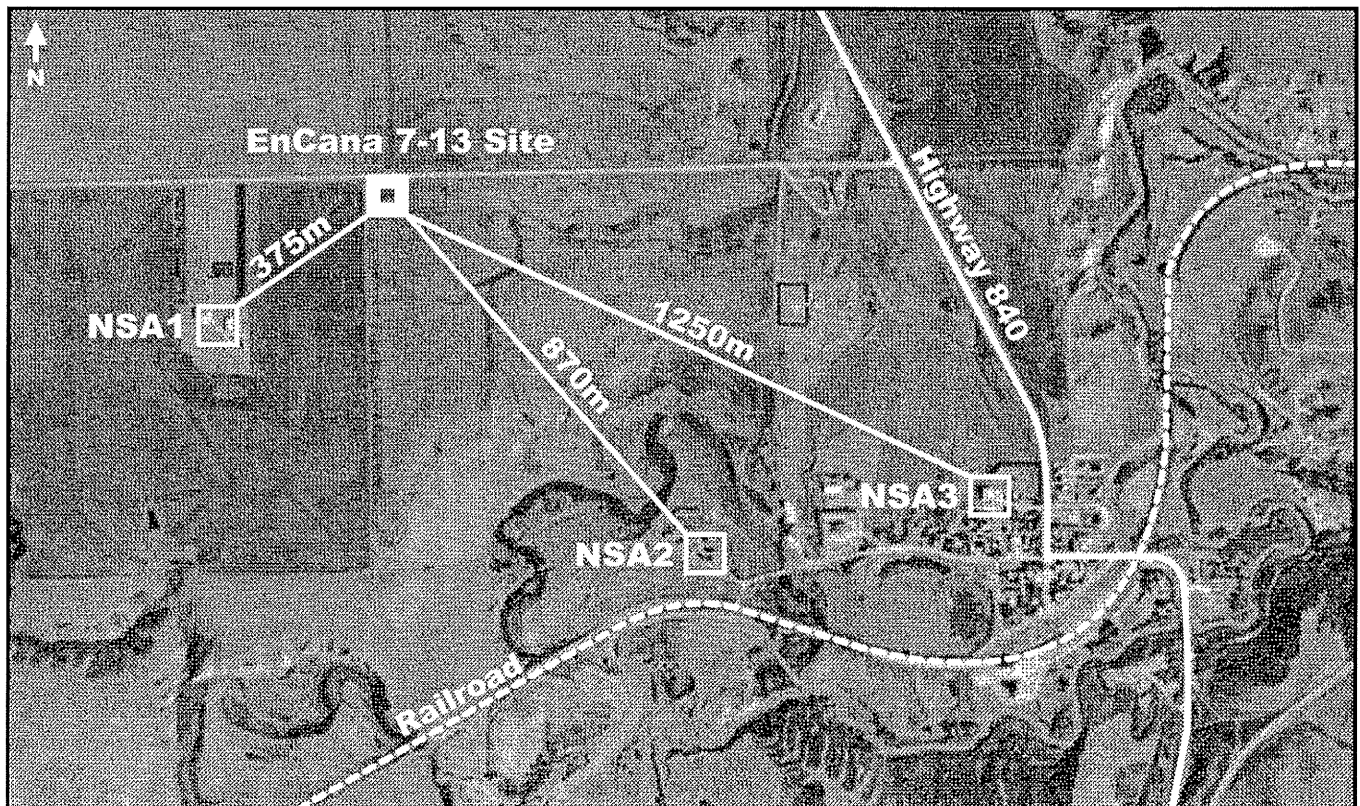
Introduction

Patching Associates Acoustical Engineering Ltd. (PAAE) was requested by EnCana Corporation to perform a noise survey northwest of Rosebud, Alberta. The results of this survey will be used to determine the noise levels in the vicinity of the 7-13-27-22 W4M EnCana Compressor Station (facility). Measurements were taken over a one-day period at the Rosebud Community Center. Measurements were also taken at the compressor site close to each compressor. The results of these measurements will be used to predict the noise levels at three potentially noise sensitive areas in the vicinity of the compressor facility.

Site Description

There are three areas in the vicinity of the facility that are potentially noise sensitive. These noise sensitive areas (NSA's) are shown in Figure 1. NSA 1 will be the most impacted area; it is the closest residence to the facility at 375 metres southwest. There is a direct line-of-sight from the facility to NSA 1 as both the facility and NSA 1 are on flat ground. NSA 2 is the furthest residence west in the town of Rosebud (approximately 650 m west of the center of Rosebud). This residence is located on the Rosebud River valley bottom and the shoulder of the valley breaks the line-of-sight from the facility to NSA 2. NSA 3 is the main town of Rosebud itself, as represented by the closest possible receiver to the facility, the Rosebud Community Center. NSA 3 is also in the Rosebud River valley bottom and there is no direct line-of-sight between the facility and NSA 3. Appendix A contains a figure of the contour cross-sections showing major land forms between the NSA's and the facility.

Figure 1: Map of Study Area





DANGER

WARNING
NO PARKING



K101

WARNING
ELECTRICITY





Executive Summary

Patching Associates Acoustical Engineering Ltd. was requested by EnCana Corporation to perform noise surveys around the town of Rosebud, Alberta. These surveys determined the existing noise levels in the vicinity of the 7-13-27-22 W4M EnCana Compressor Station. Measurements were taken over approximately one month at nine sites in the vicinity of the compressor station. The goal of this noise study was to determine the sound levels in the vicinity of the town of Rosebud and the compressor station, to determine all major noise sources in the area, and assess the compliance of the compressor station with the requirements of the Alberta Energy and Utilities Board (AEUB).

The measured nighttime sound levels with the Permissible Sound Levels of the AEUB Directive are presented below for the residential sites where noise criteria exist. These sites are: the Ruckman residence (Site 2) 375 metres southwest, the Jessica Ernst residence (Site 5) 870 metres southeast, and the town of Rosebud represented by the Rob Webster residence (Site 6) 1250 metres east-southeast of the compressor station. The survey results contained large amounts of noise related to human activity and weather. Where these non-facility noise events could be confidently identified, they were isolated from the data set and the remaining sound level is called the residual sound level.

Results of Measurements, Nov/Dec 2004

*microphone moved to 30 m from house.
Regs say must be 15m*

Date (Nov/Dec 2004)	Nighttime Sound Levels L ₉₀ (dBA)								
	Ruckman Residence			Ernst Residence			Webster Residence		
	Measured	Residual	Permissible	Measured	Residual	Permissible	Measured	Residual	Permissible
23-24	35.3	31.4	40	42.6	32.3	45	42.9	32.6	48
24-25	40.5	32.9	40	45.2	34.3	45	42.8	33.9	48
25-26	33.9	32.9	40	43.4	32.6	45	41.6	32.2	48
26-27	33.8	31.9	40	49.7	33.1	45	45.5	32.8	48
27-28	31.2	30.8	40	48.6	32.1	45	44.3	33.0	48
28-29	31.8	29.6	40	49.3	29.6	45	43.6	30.2	48
29-30	31.6	30.7	40	49.4	32.9	45	47.9	33.1	48
30-1	33.0	30.6	40	46.5	31.5	45	42.9	33.0	48
1-2	33.5	30.9	40	47.9	32.4	45	43.2	33.0	48
2-3	N/A	N/A	40	47.0	32.8	45	44.1	33.8	48
3-4	34.1	33.4	40	43.1	33.0	45	39.9	33.9	48
4-5	36.2	33.7	40	48.8	32.0	45	42.2	32.8	48
5-6	31.5	29.8	40	43.7	31.6	45	39.2	30.7	48
6-7	31.8	31.0	40	39.1	27.1	45	34.3	27.8	48
7-8	34.0	32.6	40	49.3	29.8	45	36.3	30.9	48
8-9	33.8	32.5	40	49.7	31.6	45	41.1	30.9	48
9-10	34.9	30.2	40	47.8	31.5	45	43.4	32.7	48
10-11	42.1	31.3	40	50.5	33.3	45	N/A	N/A	48
11-12	31.4	31.2	40	42.3	32.6	45	N/A	N/A	48
12-13	31.2	29.8	40	50.7	30.6	45	N/A	N/A	48
13-14	32.8	29.2	40	42.9	34.3	45	42.7	33.6	48
14-15	31.1	30.3	40	42.6	31.9	45	42.9	32.1	48
15-16	35.3	29.1	40	48.4	31.2	45	43.8	32.6	48
16-17	N/A	N/A	40	49.5	33.9	45	45.1	34.0	48
17-18	39.1	33.6	40	47.9	31.4	45	43.9	33.2	48
18-19	36.3	31.0	40	44.8	32.9	45	41.3	33.6	48
19-20	48.8	34.1	40	40.3	34.5	45	49.0	33.7	48

*Indicates Loudest Night

Yellow = measured comprehensive noise levels HIGHER than acceptable (permissible)

EnCana Noise continues

ERCB deregulates to match non compliance

Tries to sneak in 5 decibel noise increase

**I warn concerned citizens ... and dash off
to First Nations CBM Tour in Yukon**

Nov 24 2005: Banished!

“I have instructed my staff to avoid any further contact with you.”

Jim Reid, EUB* Manager

* Name changed to ERCB after the Board's Spying Scandal

November 24, 2005

Jessica Ernst
Box 753
Rosebud AB T0J 2T0

NOISE CONTROL DIRECTIVE

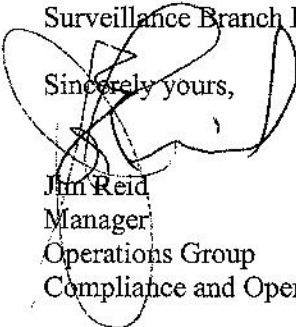
Dear Ms. Ernst:

It is clear that over the past several months you have undertaken an intensive letter writing campaign as a means to pressure the Alberta Energy and Utilities Board (EUB) to rule that EnCana has not met the regulatory requirements for noise control in the Rosebud region. As you know, compliance with the EUB *Noise Control Directive (Directive)* can only be determined using the results of a "representative" comprehensive noise survey. Consequently, even though two previous surveys conducted by a reputable acoustical engineering firm were technically defensible and did demonstrate that EnCana was compliant, the EUB agreed to not accept those results for your residence to demonstrate the fairness of the EUB regulatory process. In fact, the EUB offered to conduct a separate noise survey at your residence, at the time of your choosing, placing the microphone where you want, and without the knowledge of EnCana to determine compliance at your residence.

Rather than accept this offer, you have chosen to perpetuate accusations that the EUB has not been responsive to your concerns. In fact, the EUB has tried to be very accommodating to you and even provided you with a copy of the current draft of the *Directive* so that you may provide comments for the multi-stakeholder review committee to consider. I believe that you know quite well that as a draft, the *Directive* is still subject to change. Rather than raise any concerns about the draft *Directive* with our staff as requested, you chose to circulate widely through the internet untruths that the EUB has unilaterally made significant changes to the *Directive* that would result in higher noise levels for rural residents. Your statement about the EUB raising the acceptable noise levels for winter operations is not true. In fact, this option has been in the *Directive* since 1988. While I again may find this approach disappointing, it is your right to free speech.

What I cannot and will not accept is your threat, veiled as something someone said to you, as a means to incite people to resort to the "Wiebo Way". Criminal threats will not be tolerated, and we are deciding on how best to work with the office of the Attorney General of Alberta and the RCMP to register our concern and to ensure the protection of the public including our staff. Until the safety and security issues have been satisfactorily addressed and resolved, I have instructed my staff to avoid any further contact with you. The EUB Field Surveillance Branch have been made aware of this situation as well.

Sincerely yours,



Jim Reid
Manager
Operations Group
Compliance and Operations Branch

pc: RCMP Drumheller Detachment
Ron Paulson, Manager, EUB Field Surveillance Branch
Al Palmer, Manager, EUB Security

STAMPED: "REFUSED BY ADDRESSEE"

REGIONAL - FOR USE WITHIN A REGION OF CANADA
 LETTER CARRIER DEPOSIT #1
 POSTE DE DÉPÔT #1

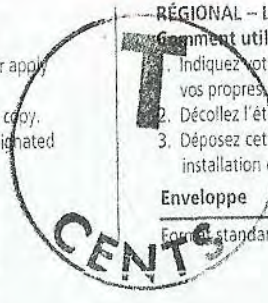
1. Fill in your address and the receiver's address on the Xpresspost label (or apply your own pre-printed label(s) onto the shipping copy).

2. Peel and apply the label to the space indicated on the back. Retain your copy.

3. Deposit envelope in any street letter box, at any postal outlet or designated Canada Post facility.

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Enveloppe
 Forme standard 152 x 260 mm



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Xpresspost



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Bruins shark-bitten
by Thornton trade
DAN BARNES / D1

For diapers with attitude,
papa's got a brand new bag
LOOK / E1

Alberta's film industry
has its 'best year yet'
CULTURE / C1

Inside the surprise deal
for Spielberg's studio
BUSINESS / F1

edmontonjournal.com

EDMONTON'S NEWSPAPER SINCE 1903

TUESDAY, DECEMBER 13, 2005

Tainted water lights
fire under gas fears



NEAR DISASTER FOR CITY TROOPS

NEW VEHICLE CREDITED WITH
SAVING 3 IN AFGHAN BLAST / **A3**

Voter goodies

June 8, 2006:

**McCarthy-like Red-Baiting
Interrogation by ERCB lawyer**

Tried to get evidence after the fact









Poison Apple

One taste of the Poisoned Apple
and the victim's eyes will close forever
in the Sleep of Death

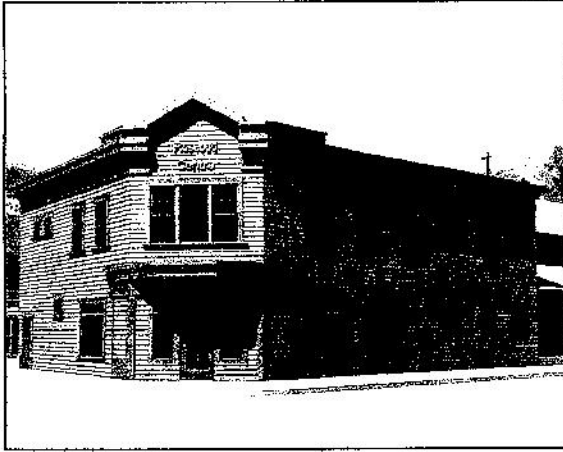
The Sins of Synergy

Synergy manipulates human ego to transform all concerned and usually differing views into one – **industry's**.

Synergy is poison

Puts responsibility of regulators,
government and industry onto shoulders
of the community and concerned citizens.

Don't bite industry's Apple!



Rosebud Theatre

History began in 1973 for the Rosebud School of the Arts when LaVerne Erickson, a fine arts teacher in Calgary, pioneered the Rosebud School of the Arts. Staffed by school teachers and fine arts college students, Rosebud drew young people, grades seven to 12 from across western Canada to its summer camps. The summer programs soon expanded into weekend retreats throughout the school year.

Thirty years later, the Village of Rosebud has become a community economic development success story. Over 40,000 visitors come to the small community each year to be entertained and have their spirits lifted at the Rosebud Theatre.

Earlier this year, the Rosebud School of the Arts unveiled the next chapter of their history in the form of a new \$1.2 million Rosebud Centre. The new centre will strengthen the economy of the entire region by promoting tourism, attracting corporate clientele and drawing additional visitors to Rosebud.

EnCana was pleased to come on board as a corporate partner by contributing \$150,000 towards the project. An additional \$50,000 has been committed towards the use of conference services once the new space is built.

"EnCana seeks to support projects that will create sustainability for the community. Rosebud Theatre is a true success story and this expansion will help transform Rosebud into a greater tourist destination," said Mary Ann Steen, EnCana's Manager of Community Investment.

Bob Davis, Executive Director, Rosebud Theatre says, "In recent years, we have had to turn people away from performances because we don't have enough room. With expanded facilities, we'll be able to host an extra 225 people, giving us room for a total of 425 guests at one time."

Emergency Response Preparedness

EnCana is committed to managing its operations in a responsible manner that protects the health and safety of employees and the public, and protects the environment. To meet this commitment, EnCana follows these key principles:

- Protect lives (public, workers, responders).
- Effectively rescue and treat the injured.
- Minimize environmental impacts.
- Minimize damage to company, public and private property.
- Effectively use the combined resources of EnCana, mutual aid partners, the government and other external services.
- Provide factual information to news media and other stakeholders in a timely manner.
- Preserve records and evidence for use in post incident investigations.

In the event of an emergency, please contact EnCana's 24-hour emergency line at (403) 645-3333.



Contact us:

If you have any questions or would like some more information about EnCana in your community please call:

Luigi Vescarelli (403) 823-1039
Community Relations
luigi.vescarelli@encana.com
EnCana Corporation



www.encana.com



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