

STONEY TRAIL AGGREGATE RESOURCE

BLV GROUP

Community Newsletter

2011



Stoney Trail Aggregate Resource (STAR) is a gravel pit located between 112 Avenue and 144 Avenues and between 85 Street and Rocky Ridge Road NW. The entrance is located across from the Calgary Young Offenders Center along 85th street. It has been operation since 2006. STAR is owned by Alberta Transportation (AT) and it is operated by the BLV Group:

BURNCO

LAFARGE

Volker Stevin
Contracting Ltd.

The BLV Group is a joint venture of three of Calgary's most experienced sand and gravel pit operators. It was awarded a 15 year contract by Alberta Infrastructure & Transportation in 2005 to develop and operate this extensive deposit of aggregates underlying Spy Hill lands.

The site contains an estimated 130 million tonnes of sand and gravel. The province anticipates keeping 50 million tonnes for public works alone.



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Projects at STAR

As a result of STAR's unique organization, a variety of contractors and activities are often operating at one time. In 2010, a couple of major projects were completed in Calgary with materials from Stoney Trail:

Completed

Project: Stoney & Shaganappi Interchange

Alberta Transportation Tender 8055(Awarded to Volker Stevin)

Details: This project involves crushing road base and hauling this material to the jobsite. It also involves crushing asphalt materials and hauling them to an asphalt plant that is not located on at STAR due to space limitations.

Status: This project was completed in fall 2010.

Project: Stoney & Deerfoot Interchange

Alberta Transportation Tender 7440(Awarded to Standard General)

Details: This project involves crushing road base and hauling this material to the jobsite.

Status: Most of this project was completed in 2009 and the north ramp was widened and finalized in the fall of 2010.

Ongoing

Project: Stoney & Crowchild Interchange Upgrade

Alberta Transportation Tender 7835(Awarded to South Rock)

Details: This project involves crushing road base and hauling this material to the jobsite. It also involves crushing asphalt materials and producing asphalt in a plant on-site.

Status: The crushing is complete for this project and the asphalt materials will be produced next summer to complete the project for Fall 2011.

Upcoming

Alberta Transportation has several upcoming projects and is considering STAR as a possible source.



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Dust Control

In order to address dust, Stoney Trail has enacts mitigation measures. This includes a dedicated sweep tractor at the site. This allows sweeping of the entrance to prevent debris from tracking onto the road as much as possible. In combination with this, a water truck is used daily throughout the summer months. This truck applies water to high traffic areas in the pit in order to control dust in areas of the pit that aren't paved. It is also equipped with a side cannon that is used in the summer months to spray the entrance and aid the sweeper in clearing dust and debris. A second cannon can also be used during the summer to water down piles if too much dust is being generated by windy conditions. In addition, main haul routes within the pit are treated with a compound that limits dust.

Dust Control Equipment

Tractor with sweeper (parked behind)



Stoney Trail water truck





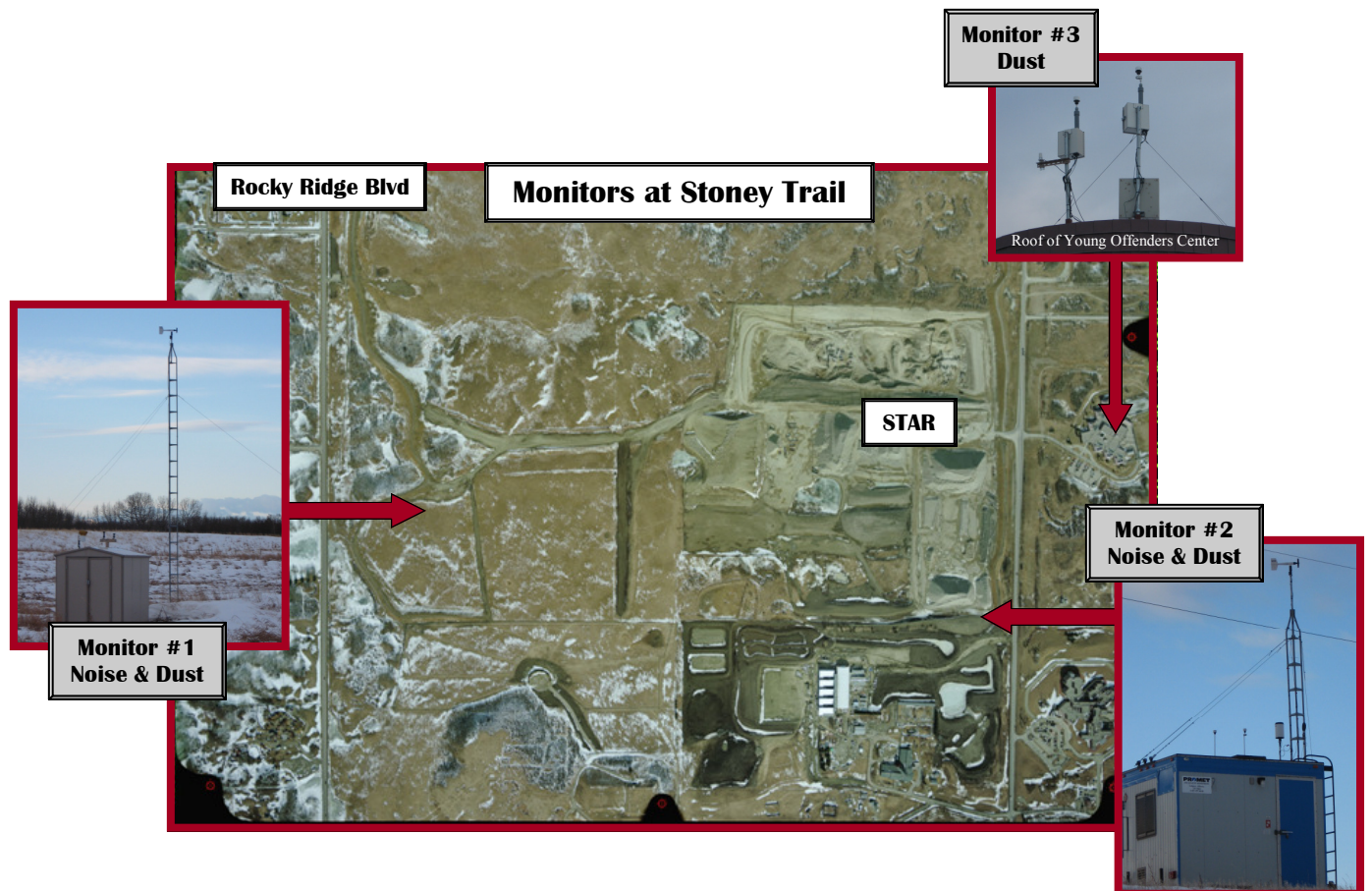
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Dust & Noise Monitors

In order to better understand the impacts that the operations of Stoney Trail are having in terms of noise and dust, 3 monitors are installed around the perimeter of Stoney Trail.

Having these stations provides hard data to measure our progress. They also provide hourly readings which help to measure the impact that specific site activities are having. In that way, efforts can be focused on problem activities in order to control dust and noise.





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Ongoing Challenges

The BLV Group, AT, and the various on-site contractors recognize that despite all our efforts, there is still work to do. Improvements are generally incremental and it is only through continual focus that the various improvements will build upon themselves to produce a better end result. It is a matter of knowing what areas these are and maintaining commitment to strive for continuous improvement.

Dust, Noise, & Odour

These three items have been a recurring concern. Noise and odour have been issues for residents of Rocky Ridge and Royal Oak. Dust has been an issue for members of the Young Offenders Center. Adjustments to the daily activities in Stoney Trail have been made in order to lessen the impact of these items on our neighbors. Some other commitments have also been made:

Noise

- Back-up alarms have been replaced with flashing lights on all heavy equipment. New equipment arrives without this conversion, but these units are modified as quickly as possible. In addition, truck routes have been designed to eliminate any need for backing up so as not to activate back-up alarms.
- Dozing and other high impact activities are limited in the evenings in order to keep night time emissions as low as possible.
- Poorly performing equipment, such as noisy generators, are examined and when irregular noises cannot be repaired, these items are removed or replaced.
- Asphalt plants will be oriented to direct noise toward unpopulated areas north of Stoney Trail.

Dust

- Dust is kept to a minimum with increased frequency of sweeping and water truck applications.
- High traffic areas are treated with dust suppressant to keep improve dust management when the water truck is insufficient.

Odour

- A natural gas line has been installed at Stoney Trail. AT has committed to ensure that, all future contracts will require that asphalt plants use natural gas as burner fuel. Natural gas was successfully used by a portable asphalt plant on the Stoney Crowchild project in 2010. There were no complaints about odour.



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Stakeholder Meetings

Meetings with local stakeholders allow the opportunity to communicate successes and areas for improvement in the Stoney Trail operations. The next Stakeholder Meeting is scheduled for March 2011.

In Closing...

Stoney Trail has already provided more than 4 million tonnes of sand and gravel materials to Calgary's roads. It has been, and will continue to be, a key resource for the province and for private industry in developing and maintaining the road networks of Calgary. The BLV group and Alberta Transportation recognize the increasingly urban nature of the areas around Stoney Trail and will continue to work with our neighbors in order to make a responsible use of this resource.

We would like to hear from you!!!

Please contact us with any comments or questions:

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