

# STAR Public Open House

**You are cordially invited to:**  
**Stoney Trail Aggregate Resource**  
**Open House**

Monday October 26, 2015  
2:00 pm - 5:00 pm  
12411—85th Street NW



Free Sandwiches, Pastries,  
and refreshments.



## **Community Newsletter** **STONEY TRAIL AGGREGATE RESOURCE 2015** THE BLV GROUP

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 85<sup>th</sup> street. Work to open this new gravel resource started in 2005, and full operations have been underway since early 2006. STAR is owned by the Alberta Government. It is operated by the BLV Group:



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 the Alberta Government 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.

The site was the source for the Stoney Trail ring road which used a significant amount of gravel from this site, and then the Stoney Trail Ring Road will serve as the primary road network to distribute the gravel to other parts of the city in the future.





# STONEY TRAIL AGGREGATE RESOURCE

## Community & Environmental

Since the beginning, the BLV Group, the Alberta Government, as well as the various onsite contractors have made the commitment to work together with the local community in order to address areas of concern. There are always areas for improvement and by working together, we can focus on achieving mutual goals. Over the last 10 years, a lot of positive work has been accomplished at STAR:

### Monitoring Stations

In order to better understand the impacts that the operations of Stoney Trail were having in terms of noise and dust, two additional monitors were installed around the perimeter of Stoney Trail. Together with the original monitor, this brings the total number of monitoring stations to three. 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. The three monitoring locations are between STAR and Rocky Ridge Road, STAR and 85 Street, and the last is on the top of the Calgary Young Offenders Centre.



### Dust Control

Based on input from the Community Meetings, an enhanced program of dust control is being continually refined at Stoney Trail. A dedicated water truck has been active at STAR for 7 years now. 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 clear dust and debris. A second cannon can also be used during the summer to water down piles if too much dust is being generated. In 2013, the STAR pit started applying Calcium to the main haul roads in the Spring. The Calcium retains moisture for prolonged periods. This unique property helps to hold down dust and stabilize unpaved road surfaces, creating smooth-riding roads that last. Lastly, all crushers that operate in STAR must use dust suppression for a final means of keeping dust down

**Water Truck**



### Noise Reduction Techniques

The BLV Group, the Alberta Government, 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.

- 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 nighttime 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 less populated areas.