



**Canadian Natural**

## **PRIMROSE UPDATE**

**Reporting Period September 8-14, 2013**

### **Operations Update**

As a result of our active clean-up efforts approximately 10,100 barrels of bitumen emulsion have been recovered to-date. We have further reduced the bitumen impacted area from 13.5 hectares to 7.4 hectares, a 65% reduction since our original report. Currently there are approximately 200 workers on all sites involved with clean-up activities.

There have been no further discoveries of bitumen emulsion to surface or any other liquids to surface at our Primrose sites.

### **Environmental Update**

Three beavers and one muskrat were released on Sept 11, 2013, bringing the release rate of animals captured live to 77%. The animals were released onto private property with a fenced-in area with brush and a pond, to encourage them to remain in this location for the winter. The site was prepared with fresh cuttings and a small den area to give the beavers a head-start on winter preparation of their new lodge. The beavers will continue to receive supplemental tree cuttings as they build up their winter food stockpile over the next 4 to 6 weeks.

After the beavers were released they were observed investigating their new home, playing and foraging for food. A joint post-release monitoring project will begin immediately to track the beavers' activity for the next 400 days.

### **Investigation Update**

We are working diligently with the Alberta Energy Regulator and Alberta Environment and Sustainable Resource Development to investigate and remediate the affected locations and investigate the cause.

Canadian Natural believes the cause of the bitumen emulsion seepage is mechanical failures of wellbores in the vicinity of the controlled areas. We are in the process of identifying and investigating these wellbores. We are drilling hydrogeological and delineation wells adjacent to the affected locations to aid in the investigation.

### **For More Information, please:**

Visit our website at [www.CNRL.com](http://www.CNRL.com)

For media, contact 403-514-7777 or [IR@cnrl.com](mailto:IR@cnrl.com)

*Photo: Release of beavers back into their natural habitat*

