

March 2018

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## Potash Pages Community Newsletter



### Jansen Project update

Over the past several months, teams have been completing 2017 Work Packages on the Jansen Project site, including work being performed on the Batch Plant, which was completed by Misty Chemco. Some of the other 2017 Work Packages include the Sewage Treatment Plant (STP) Monorail (completed by IDC/Allan Construction), the Muck Bunker Line of Fire and Shaft Ventilation System Maintenance Platforms, the Freeze Plan Lift Assist Structure (completed by Pinnacle Industrial) and the E-Vault Dewatering scope (completed by IDC/Allan Construction). Fossil water also completed the 2017 Water Conditioning Program where brine solution water was successfully injected into the Disposal Well which deposits treated water into the Deadwood formation.

The Jansen Project site also saw some executive visitors in January 2018, when Daniel Malchuk (President Operations for Minerals Americas at BHP) and Matt Currie (Vice President HSE for Minerals Americas at BHP) visited Potash to receive an update on the Project, and work with the teams on furthering the Project goals.

Phase 1 of the Vent Plenum (shaft ventilation and services) scope of work was recently awarded to PCL, who will be mobilizing in April for installation of the first piles in May 2018. Pre-mobilization deliverables and ongoing reviews to support PCL's scope have commenced.

Underground, DMC Mining continues excavation in both the Service and Dalla Valle (Production) shafts with the shaft bottoms now past 850 metres. Readiness planning for the shaft stations, shaft bottom and Shaft Boring Roadheader (SBR) removal are underway.

Shaft sinking through the Souris River formation produced minimal water as predicted by the drilling program. The construction of French Drains and Collection Rings has enabled crews to effectively manage this water and transfer it to the surface for disposal. The excavation of the shaft stations and shaft bottoms will be completed using a continuous miner in conjunction with the SBR. Surface trials are being conducted to ensure the safe lowering, assembly and operation of these continuous mining machines.

Once underground, the continuous miners will be supported by Skid Steers to haul excavated material back to the SBR/shaft, and ground support and instrumentation will be installed using Brokks.

The Joint Venture of Thyssen Mining, J.S. Redpath and Ledcor (TRL) continue to advance the engineering in support of the final watertight liner construction for both the Service and Dalla Valle Shafts, which will commence later this year. Design and procurement of long lead items such as the lining Galloway, inner structural liner and outer welded liner are progressing.



Misty Chemco completing a gas line tie in at the Jansen Site.

## Congratulations South East Construction and KDM Constructors!

Congratulations to South East Construction (SEC) and their affiliated company, KDM Constructors, who recently celebrated two and a half years injury free on the Jansen Project Site.

Safety is a priority at BHP, and we are very proud to congratulate SEC and KDM Constructors on this significant achievement.



## Potash community enquiries

We are committed to listening to community needs and responding to concerns promptly, fairly and with respect. If you have any concerns about how BHP is operating in your community, we would like to hear about it. Please feel free to contact your local Corporate Affairs representative at the BHP Office in LeRoy, in Saskatoon or email at [Potash.CommunityEnquiry@bhpbilliton.com](mailto:Potash.CommunityEnquiry@bhpbilliton.com).

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## Jansen Project Rail Spur

BHP is assessing the feasibility of constructing a rail spur to support operations at the proposed Jansen Potash Mine. Subject to regulatory and BHP Project approvals, the rail spur would connect to the CN Rail mainline near the Town of Nokomis. Potash would then be carried by rail to a port terminal on the west coast and shipped to international markets on bulk ocean-going vessels.

We are in the midst of conducting public engagement with local stakeholders where we held open houses in the Town of Nokomis and Village of Jansen in December 2017 and March 2018. All data collected was compiled and considered when selecting the revised potential routes for the proposed CN Rail spur. Once the preferred route is chosen, land agents acting on behalf of BHP will make contact with the affected land owners to negotiate a purchase option agreement for the right of way. The due diligence that BHP is currently performing includes:

- Seeking feedback from local stakeholders
- Completing desktop geotechnical studies
- Performing desktop environmental studies in support of minimizing impacts to the environment and cultural heritage sites.



### Rail Spur enquiries can be directed to:

**Contact:** Aaron McCrea, Analyst Land and Mineral Tenure

**Email:** Aaron.McCrea@bhpbilliton.com

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## Recycling Program

In 2017, BHP initiated the Jansen Project Bottle Recycling Program. An expression of interest was sent to various local municipalities and First Nations to nominate one community organization each. Through these nominations, BHP approved various non-profit organizations to participate in the program. The organizations are responsible for picking up the bottles from the BHP office in LeRoy, sort the bottles and take them to SARCAN for recycling. To date, three organizations have benefitted from the program including the Muskowekwan School, LeRoy School and Englefeld Community School Council and reported receiving over \$1000 each. Other organizations approved to

participate will be receiving recyclables in the coming months.



Above: Students Dawson Block and Mathew McGrath picking up bottles donated to LeRoy School.

## Habitat Compensation Program

In the Jansen Project Environmental Impact Statement (EIS), BHP committed to no net loss of wetlands and associated habitat as a result of the activities at the Jansen Project. To achieve this commitment, the Habitat Compensation Plan (the Plan) was developed. The objectives of the Plan include ensuring no net loss of wetland area through compensation at a 2:1 ratio (restored area: wetland area lost/degraded), restoration and enhancement of habitat for sensitive species and utilizing adaptive management practices to guide the development and maintenance of the restoration area. The Plan is designed to restore existing degraded wetland basins and upland habitat through:

1. Restoration through the installation of ditch blocks;
2. Restoration of wetland areas through the removal of intensive agricultural activities; and
3. Restoration of adjacent upland areas to near native vegetation cover.

The area selected for restoration consists of 13 quarter sections; nine quarter sections designated for wetland and upland restoration, and an additional four quarter sections designated just for upland restoration.

To ensure the success of the Plan and test different restoration methodologies, a trial was conducted on a small scale (a single quarter section) in 2014. A program of environmental monitoring and adaptive land management is being executed for the trial. Lessons learned from the small scale trial program will be applied to future phases of the restoration program.



## Local community organizations continue to give back

In October 2017, BHP hosted an appreciation lunch for the Jansen and District Kinsmen and Farming with Friends. This was in honour of all those who have worked to make the farming projects on lands at the Jansen Project a great success.

The Jansen and District Kinsmen have been farming land donated by BHP for three years, and LeRoy Farming with Friends have been farming BHP land for five years. As a result of these partnerships over \$1,000,000 has been raised with funds being donated to the Jansen Outdoor Recreational Facility, LeRoy Community Centre/Rink and LeRoy Leisureland Regional Park.



### Is there something you want to see in the next edition?

Send an email to [PotashCorporateAffairs@bhpbilliton.com](mailto:PotashCorporateAffairs@bhpbilliton.com) if there is something that you would like to see in an upcoming edition of the BHP Potash Pages.