

SLAG FACT SHEET

WHAT IS SLAG?

Slag is a by-product of steel manufacturing.

HOW LONG HAS SIX NATIONS BEEN USING SLAG AT THE LANDFILL?

Since February 14, 2012.

IS AN ENVIRONMENTAL ANALYSIS COMPLETED ON THE SLAG?

Yes, the Six Nations Environment Officer completed an analysis and determined that using this slag as a landfill site cover and fill material was in compliance with the Ministry of Environment and Climate Change (MOECC) standards and guidelines.

IS SIX NATIONS THE ONLY COMMUNITY USING SLAG?

No, previously this slag was used for the same purpose of the Tom Howe Landfill Site. Approximately 60,000 tonnes per year of steel slag fine aggregate (passing 4.75mm) is being used locally as engineer fill and gravel surfacing in unconfined applications. It is used as landfill cover material worldwide.

HOW OFTEN IS THE LANDFILL STUDIED FOR ENVIRONMENTAL IMPACTS?

There was a Landfill Gas and Groundwater Study completed by a consulting engineering firm in 2015. After that there was a 20 Year Waste Management Study completed in 2016. Most recently, there was a Landfill Site Closure Study completed in 2017. All of these studies were funded by Indigenous Services Canada.

Preparing for the future, the Six Nations Elected Council has secured approximately \$3 million dollars from Indigenous Services Canada to close the Six Nations Landfill Site and to construct a transfer station. The design process is currently underway and the construction process is anticipated to take place in the winter of 2018. Six Nations Public Works has a target of April 2019 to have the Landfill Site closed and to have the transfer station operational for the community of Six Nations.



FOR MORE INFORMATION

SIX NATIONS PUBLIC WORKS

1953 Fourth Line, Ohsweken | P: 519-445-4242



BENEFITS

WHAT IS SLAG USED FOR?

The slag is stored at the Landfill Site. It is then placed on top of the community's waste and compacted as a cover material in order to minimize the smell, leachate, vermin and windblown litter.

It seals the waste and provides a base that can be used to continue landfilling at the existing Six Nations Landfill Site.

HOW DOES USING SLAG BENEFIT THE COMMUNITY?

1. Using slag prolongs the service life of the Six Nations Landfill Site. The slag can be compacted to thinner layers than alternative cover materials.
2. Slag provides economic benefits versus having to purchase a fill material. There is no payment made for this material and there is no payment received for accepting this material.