

BADGER BLUFF SANDS LLC

Well Monitoring Program

1.0 Introduction

Badger Bluff Sands LLC (Badger Bluff Sands) will utilize groundwater during mining and processing of sand. Potential uses of process water are in processing facilities including transporting, cleaning, and sorting sand, as well as dust control. It is not assumed that Badger Bluff Sands will have any adverse effects to area private wells. However, Badger Bluff Sands has voluntarily committed to monitoring area private wells and water quality within 1/4 mile of the mine property.

2.0 Monitoring Wells

Badger Bluff Sands will install one monitoring well within the boundary of the mine site. The well will be placed at the discretion of Badger Bluff Sands in a location within the mine site that adequately monitors activities that may impact groundwater. Prior to mining activities, Badger Bluff Sands will take a sample from the monitoring well, testing for lead, arsenic, turbidity, total suspended solids, chlorides, and nitrates. And in addition, the water elevation will be determined and documented. When mining activities begin, Badger Bluff Sands will monitor annually for the items listed and document the results. All water tests will be sent to a certified laboratory by the State of Wisconsin. Water samples and inspections will be performed by a State of Wisconsin License Pump Installer.

3.0 Private Wells

Badger Bluff Sands will sample and test private wells that are located within a quarter mile of the mine site annually, provided all such tests will be conducted only if the landowner consents to such a test and allows the operator access to the private wells to conduct such testing. The requirement will be waived for any private well located on property owned by a landowner that refuses to give consent to such testing or fails to give the operator access to the well to conduct such test. The first sample will be conducted prior to commencement of mining activities. Samples will be tested for lead, arsenic, turbidity, total suspended solids, chlorides, and nitrates. The elevation of the groundwater in the wells shall also be determined and documented. A copy of the results will be issued to landowners. All water tests will be sent to a certified laboratory by the State of Wisconsin. Water samples and inspections will be performed by a State of Wisconsin License Pump Installer.

If at any time, it is determined by a State of Wisconsin License Pump Installer that mining activities result in a substantial adverse impact on a private well, Badger Bluff Sands shall take full responsibility to replace or repair the well at no cost to the well owner.

4.0 REPORTING

Badger Bluffs will submit an annual report to Buffalo County Department of Land Resources and to the Town of Waumandee board summarizing the monitoring well results. The reports will be submitted by February 15th of each calendar year.

