

APPLICATION FOR ANNUAL OPERATORS PERMIT
TILLER CORPORATION
ZAVORAL MINING AND RECLAMATION PROJECT
CITY OF SCANDIA
WASHINGTON COUNTY, MINNESOTA

I. INTRODUCTION

The following Annual Operators Permit (AOP) application is submitted on behalf of Tiller Corporation (Tiller) in compliance with the City of Scandia's Ordinance No. 103 and Chapter 4 of the Development Code: Mining and Related Activities Regulations, Section 6, adopted by the City of Scandia on August 28, 2007.

II. ANNUAL REPORT

A. Operating Conditions

The site will operate in accordance with operating conditions regulated by Section 7 of the Scandia Ordinance 103.

1. Setbacks: No mining, stockpiling or land disturbance activities, with the exception of screening activities, are proposed to take place within the setback areas. Minimum setback areas are maintained as follows:
 - a) 50 feet from an adjoining property line
 - b) 200 feet from an occupied structure existing on May 20, 2008.
 - c) 100 feet from any contiguous property subdivided into residential lots of 5 acres or less
 - d) 100 feet from any road right-of-way.
2. Fencing: A portion of the site is fenced with a four foot high chain link fence. The fence is currently used in conjunction with an in place screening berm and established vegetation to provide screening from State Highway 95. There is a locking metal gate at the entrance to the site.
3. Hours of operation: The site will operate in from 7:00 a.m. to 7:00 p.m. Monday through Friday except holidays.
4. Screening: Screening berms, wooded buffer areas, a state highway and agricultural fields separate the mining activity from surrounding properties. Mining operations are conducted in recessed portions of the site to

minimize visibility. Additional screening berm construction will occur along Phase 1 during the initial year of operations.

5. Dust control: Dust control will be implemented as described in the Zavoral Mine Dust Control Plan, submitted with the CUP application. The main haul road will be paved for the first 300 feet into the site as part of the construction of the realignment of the site entrance and the right turn lane. Asphalt millings will be applied to the main haul road from the edge of the asphalt to the floor of the mining area. Paved and milled portions of the haul road will be washed during haul events. Unpaved internal haul roads that are in use will be watered, and the site entrance will be swept on a regular basis. Haul trucks will be covered with tarps and a 15 mph speed limit will be posted within the mine site.
6. Noise: All activities will be conducted so as to be in accordance with all Federal, State and City noise standards. An on-site circular traffic pattern will be implemented for haul trucks to minimize the need to back-up, which triggers a back-up alarm. When possible, broadband back-up alarms will be used by Tiller equipment.
7. Depth of excavation: Maximum depth will be approximately 840 feet above msl. Reclamation grades will vary from 848-890 feet above msl.
8. Site clearance: Site clearing activities will commence within Phase 1 Mining in 2013.
9. Appearance/condition: All equipment at the site will be maintained in a neat condition.
10. Sanitary Facilities: Portable sanitary facilities will be provided in the operating areas as required by the Mine Safety and Health Administration.
11. Waste Disposal: Waste generated from the operation will be disposed of in accordance with Federal, State and City requirements.
12. Water Quality Monitoring: A plan for groundwater monitoring has been developed and submitted as part of the CUP permitting process. Groundwater monitoring will be conducted in accordance with the CUP.
13. Fuel and Chemical Storage: Any fuel and chemicals stored on-site will be stored in accordance with Federal and State standards.
14. Contingency Response Plan: The site operates under an Emergency Contingency Response Plan that was provided to the City in conjunction with the CUP application.

15. Added Provisions: The operator will comply with other such reasonable requirements that the City may find necessary to adopt for the protection of health, safety and welfare and/or prevention of nuisance.
16. Processing: Processing is not conducted at this site.
17. Recycling: Recycling is not conducted at this site.
18. Trucking Operations: The site has access to State Highways 95 and 97. The main haul route from the Site is State Highway 97 westbound.
19. Asphalt Plants: Asphalt is not produced at this site.

B. Compliance with Conditions of the CUP

The site will operate within the conditions of the CUP.

C. Annual Activity

The Site is not yet permitted. This section will be included in future AOPs once mining activity has been initiated.

D. Description of operating conditions planned for the coming year:

1. During the 2013 mining season, the site will begin operations. Activities associated with the onset of mining activity will include the realignment of the site access and construction of the right turn lane. Construction of the main haul road, clearing and stripping in Phase 1 Mining will also take place. Operations in Phase 1 Mining will commence as will work within Phase 1 Reclamation area.
2. Site Plan: A Site Plan is attached which illustrates the areas planned to be mined in 2013.
3. Aerial Photo: An aerial photo is attached which illustrates the areas planned to be mined in 2013.
4. Reclamation: No reclamation activities have been performed to date. Reclamation activities planned for 2013 will be located in the Phase 1 Reclamation area. Reclamation activities will be conducted in accordance with the Reclamation Plan submitted as part of the CUP application. .
5. Operating Conditions for 2013: Active mining will occur within the Phase 1 Mining area as indicated on the Site Plan.

E. Inspection:

Inspections will be conducted once site operations have begun.

III. CERTIFICATION

I certify that the plans, specifications or reports for the above described facility were prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.



Kirsten Pauly

Date: October 8, 2012 Reg. No. 21842



Aerial Photo
2013 Activity
Annual Operating Permit



