

**Return To:**  
Big Stone County  
Environmental Service  
20 SE 2<sup>nd</sup> St.  
Ortonville, MN 56278

Application Number <b>006</b>
Tax Parcel Number

## Supplemental Data Sheet for Aggregate Mining Activities

email: [ronda.maas@co.big-stone.mn.us](mailto:ronda.maas@co.big-stone.mn.us) and [darren.wilke@co.big-stone.mn.us](mailto:darren.wilke@co.big-stone.mn.us)

### Part One: General Information

- Name of Applicant \_\_\_\_\_  
Street Address \_\_\_\_\_  
City, State, Zip Code \_\_\_\_\_  
Phone Number \_\_\_\_\_
- Name of Landowner \_\_\_\_\_  
Street Address \_\_\_\_\_  
City, State, Zip Code \_\_\_\_\_  
Phone Number \_\_\_\_\_
- Describe relationship between applicant and landowner: \_\_\_\_\_  
\_\_\_\_\_
- Attach a copy of the leasing agreement, if applicable.
- Provide the legal description of the mining site including section, township and range: \_\_\_\_\_  
\_\_\_\_\_
- Attach a general location map including roads and other pertinent landmarks.
- Specify total area (in acres) to be affected by this project. Include areas for future expansion, stockpiling, processing, haul roads, settling basins, buildings and parking facilities. \_\_\_\_\_
- Is environmental review required for this project? (EAW-40 Acres. EIS-160 Acres)  
 No                       Yes, attach copy of EAW or EIS
- List other permits necessary for this project, indicate status and provide a copy.  

<u>Permit</u>	<u>Status</u>
_____	_____
_____	_____
_____	_____

**Part Two: Premining Conditions**

10. Describe current land uses within and adjacent to the project area.

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11. Is proposed project within 1,000 feet of a shoreline of a lake or within 300 feet from either bank of a watercourse or the landward extent of a floodplain designated by local ordinance?

No       Yes, refer to shoreland regulations

12. Indicate the observed or estimated (circle one) groundwater elevation in the project area and reference depth to a permanent bench mark. \_\_\_\_\_ feet

13. Provide a map of pre-mining conditions (**Map A**) as they currently exist in the project area including all areas within 500 feet of the site at a scale of not less than one (1) inch equals one hundred (100) feet that includes the following:

- a. Existing vegetation within and adjacent to the project area.
- b. Location of all structures within and adjacent to the project area and the purpose for which each structure is used, including buildings, pipelines, cables, railroads, and power lines.
- c. Existing drainage patterns and permanent water areas.
- d. Contours within the project area at five (5) foot intervals.

**Part Three: Mitigating Impacts**

14. List resources that may be impacted by this project, identify impacts, and describe measures that will be taken to mitigate those impacts.

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15. Describe measures that will be taken to screen the operation from view of surrounding land uses or an explanation of why such measures are not needed.

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16. Describe erosion control practices that will be used during mining.

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17. Describe measures that will be taken to control dust & noise on the site.

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**Part Four: Description of Mining Activities**

Proposed Mining Methods

18. Describe the sand and gravel products that will be mined from the project area.

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19. Describe how the sand and gravel will be mined and what equipment will be used.

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20. Describe how the material will be transported from the site, then proposed route of transport and the ultimate destination.

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21. Describe the methods that will be used to dispose of brush and other vegetative debris.

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22. Describe the methods that will be used to retain topsoil.

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23. Estimate the volume of material in cubic yards to be mined in the period covered by this permit. \_\_\_\_\_ cubic yards

24. List the months, days, and hours in which mining activities are expected to occur.

Months \_\_\_\_\_

Days \_\_\_\_\_

Hours \_\_\_\_\_

25. Describe the methods used to control dust on haul roads.

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26. Identify the number of employees expected to work at the site and the facilities that will be provided.

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27. Describe de-watering activities and estimate volumes of water to be discharged from the site.

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28. Provide mining plan maps (**Map B**) at a scale of no less than one (1) inch equals one hundred (100) feet that include:

a. Structures to be erected.

b. Location of sites to be mined showing depth of proposed excavation.

c. Location and setbacks of machinery to be used in the mining operation.

- d. Location of tailing deposits showing maximum height of deposits.
- e. Location of storage of mined materials, showing height of storage deposits.
- f. Location of vehicle parking.
- g. Location of storage of explosives.
- h. Location of erosion and sediment control structures including cross-sectional drawings of any water impoundments, high wall reduction, benching or terracing, and any other erosion control practices.
- i. Location of tailing deposits showing maximum height of deposits.

Proposed Processing Methods

29. Describe the processing methods that will be used at the site.

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30. List the proposed hours of operation for the processing facilities.

Months \_\_\_\_\_

Days \_\_\_\_\_

Hours \_\_\_\_\_

31. Describe the volume of water needed for gravel washing activities and the source of water.

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32. Describe how chemical substances will be stored on the site.

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**Part Five: Staging of Operation**

33. Describe the projected life of the operation including beginning and ending of operations and any phases or stages.

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34. Describe progressive reclamation activities that will occur over the life of the operation.

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35. Indicate which stages of the operation will be mined by the applicant and which stages will be mined by subsequent operators.

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36. Describe the methods that will be used at the cessation of seasonal operations to stabilize slopes from erosion.

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37. Describe the interim reclamation methods that will be used if the site will become inactive at the close of current operations for an unspecified period of time.

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**Part Six: Proposed Reclamation**

- 38. Provide an end use plan map (**Map C**) at a scale of no less than one (1) inch equals one hundred (100) feet that includes:
  - a. Location and species of vegetation to be replanted.
  - b. The location and nature of structures to be erected in relation to the end use plan.
  - c. Contour lines at five (5) foot intervals.

39. Describe the methods proposed for the disposal or reclamation of oversize and undersize materials.

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40. Describe or attach a copy of seeding plan that includes methods of seed bed preparation, seed mixtures, seeding rates, mulching, and other techniques needed to accomplish site stabilization.

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41. Describe long-term maintenance needed to support reclamation.

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42. Provide an estimate of the reclamation cost of each phase of the project or the entire site if phasing is not planned.

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To the best of my knowledge, I certify that the information provided on this application and accompanying documents is true and accurate.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

Landowner's Signature \_\_\_\_\_ Date \_\_\_\_\_

# Aggregate Mining Permit

## Office Use

PARCEL #

LEGAL DESCRIPTION:

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_

### CONDITIONAL USE

Zoning District \_\_\_\_\_

Bond Received \_\_\_\_\_ Effective Dates \_\_\_\_\_

Bond Renewal \_\_\_\_\_ Effective Dates \_\_\_\_\_

### LAND USE PERMIT – In Accordance with Supplemental Data Sheet for Aggregate Mining

Effective Date \_\_\_\_\_ Expiration Date \_\_\_\_\_

In accordance with Section 6.6 of the Big Stone County Land and Related Resource Management Ordinance, the above application is hereby ( ) approved, ( ) denied by: \_\_\_\_\_ - \_\_\_\_\_

(Authorized Signature)

(Title)

on \_\_\_\_\_, \_\_\_\_\_.

**All mining and extraction operations are subject to the provisions of the Big Stone County Land & Related Resource Management Ordinance, 1998.**

### Year 1

\_\_\_ Gravel Tax

\_\_\_ Worker's Comp. Insurance

### Year 2

\_\_\_ Gravel Tax

\_\_\_ Worker's Comp. Insurance

### Year 3

\_\_\_ Gravel Tax

\_\_\_ Worker's Comp. Insurance

### Year 4

\_\_\_ Gravel Tax

\_\_\_ Worker's Comp. Insurance

### Year 5

\_\_\_ Gravel Tax

\_\_\_ Worker's Comp. Insurance

Click here to pay:

Click here once completed: