Return To:
Big Stone County
Environmental Service
843 O'Neill St.
Ortonville, MN 56278

Supplemental Data Sheet for Aggregate Mining Activities

email: environmental@bigstonecounty.gov

Application Number
006
Tax Parcel Number

Part One: General Information

1. Name of Applicant _____

   Street Address _____

   City, State, Zip Code _____

   Phone Number _____

2. Name of Landowner _____

   Street Address _____

   City, State, Zip Code _____

   Phone Number _____

3. Describe relationship between applicant and landowner: _____

   _____

4. Attach a copy of the leasing agreement, if applicable.

5. Provide the legal description of the mining site including section, township and range: _____

   _____

6. Attach a general location map including roads and other pertinent landmarks.

7. 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. _____

8. Is environmental review required for this project? (EAW-40 Acres. EIS-160 Acres)

   ☐ No ☐ Yes, attach copy of EAW or EIS

9. List other permits necessary for this project, indicate status and provide a copy.

Permit	Status
_____	_____
_____	_____
_____	_____

Part Two: Premining Conditions

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

_____

_____

_____

_____

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.

_____

_____

_____

_____

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.

_____

_____

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

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

Part Four: Description of Mining Activities

Proposed Mining Methods

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

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

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

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

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

_____

_____

_____

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.

_____

_____

_____

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

_____

_____

_____

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

_____

_____

_____

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.

_____

_____

_____

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.

_____

_____

_____

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

_____

_____

_____

Part Five: Staging of Operation

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

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

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

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

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.

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.

    _____

    _____

    _____

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.

    _____

    _____

    _____

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

    _____

    _____

    _____

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

    _____

    _____

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

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