

**Department of Environmental Quality  
Permitting & Compliance Division  
Public Water & Subdivision Bureau / Subdivision Section**

**Environmental Assessment**

**Name of Project:** Verdenburg Family  
**Location of Project:** Sec 32, T32N, R37N

**Type of Project:** Subdivision E.Q. #08-1569  
**County:** Lincoln

**Description of Project:** 2 Lot Subdivision. *Served by on-silent water supply and onsite sewage disposal.*  
**Summary of Issues:** *Include issues and concerns / resource conflicts identified by staff and the public.*

**Affected Environment & Impacts of the Proposed Project:**

Key: Summarize impacts as follows: NA - Not applicable, N - No impact, B - potentially beneficial impact, A - potentially adverse impact, M mitigation required, P - additional permits required (when additional DEQ permits are required, this review must be coordinated between bureaus)

*Under Comment below include frequency, duration (long or short term) magnitude (quantify or qualify) and context for any impacts identified (Each category includes a tickler list of items to consider - this does not mean each one needs to be addressed. Rather, if an issue related to that topic has been raised then provide some additional information. Address impacts related to issues and concerns. Identify reasonable feasible mitigation measures where significant impacts could be avoided and note impacts which are irreversible, irretrievable. Relate discussion to issues. Include background information on affected environment if necessary to discussion. Utilize negative declarations where appropriate (wetlands, T&E, Cultural Resources)*

Key	PHYSICAL AND BIOLOGICAL ENVIRONMENT
N	1. Soil Suitability, Topographic and/or Geologic Constraints (soil moisture, unstable soils or geologic conditions, steep slopes, erosion potential, subsidence potential, seismic activity)  COMMENTS AND SOURCE OF INFORMATION: SOILS ARE SUITABLE FOR ON-SITE SYSTEMS. NO STEEP SLOPES OR GEOLOGIC CONDITIONS WERE NOTED.
NA	2. Hazardous Facilities (power lines, hazardous waste sites, distances from explosive and flammable hazards including chemical/petrochemical storage tanks, underground fuel storage tanks and related facilities such as natural gas storage facilities and propane tanks)  COMMENTS AND SOURCE OF INFORMATION: TWO RIVERS BORDER THE PARCELS AND COULD PRESENT A HAZARD TO RESIDENTS
A	3. Air Quality (effects to and from project, dust, odors, emissions)  COMMENTS AND SOURCE OF INFORMATION: ONLY DURING CONSTRUCTION OF BULDINGS AND DRIVEWAYS.
A	4. Groundwater Resources & Aquifers (quality/nondegradation, quantity/reliability, distribution, uses/rights, # of aquifers, mixing zones)  COMMENTS AND SOURCE OF INFORMATION:A- ADEQUATE POTABLE WATER EXISTS. NONSIGNIFICANCE DETERMINATION HAS BEEN REVIEWED AND APPROVED BY THE DEPARTMENT
N	5. Surface Water Resources (quality/nondegradation, quantity/reliability, distribution, uses/rights, stormwater controls, source of community supply, community treatment, mixing zones)  COMMENTS AND SOURCE OF INFORMATION: SURFACE WATER WILL NOT BE USED AS POTABLE WATER. PHOSPHORUS BREAKTHROUGH AND AJACENT TO STATE WATERS IS NONSIGNIFICANT.
A	6. Vegetation and Wildlife species and habitats, including fisheries and aquatic resources (threatened, endangered, sensitive species, prime habitat, population stability, potential for human wildlife conflicts, effectiveness of postdisturbance plans)  COMMENTS AND SOURCE OF INFORMATION: WILDLIFE WILL BE AFFECTED. NO ENDANGERED OR SENSITIVE SPECIES HAVE BEEN IDENTIFIED.
N	7. Unique, Endangered, Fragile, or Limited Environmental Resources (biologic, topographic, wetlands (within 1 mile), floodplains (within 1 mile), scenic rivers, natural resource areas, etc)  COMMENTS AND SOURCE OF INFORMATION: NONE HAVE BEEN IDENTIFIED
A	8. Land Use (Waste disposal, Agricultural Lands (grazing, cropland, , forest lands, prime farmland), Recreational Lands (waterways, parks, playgrounds, open space, federal lands), Access, Commercial and Industrial Facilities (production & activity, growth or decline), Growth, land use change, development activity)  COMMENTS AND SOURCE OF INFORMATION: LAND IS VACANT LAND.
NA	9. Historical, Cultural, & Archeological (sites, facilities, uniqueness, diversity)  COMMENTS AND SOURCE OF INFORMATION: NONE HAVE BEEN IDENTIFIED.
NA	10. Aesthetics (visual quality, nuisances, odors, noise)  COMMENTS AND SOURCE OF INFORMATION: ODORS AND NOISE ONLY DURING CONSTRUCTION OF DRIVEWAY AND BUILDINGS.
A	11. DEMANDS ON/ CHANGES IN ENVIRONMENTAL RESOURCES INCLUDING LAND, WATER, AIR OR ENERGY USE (need for new or upgraded energy sources, potential for recycling, etc)

	(See #8, #4, #5) COMMENTS AND SOURCE OF INFORMATION: VERY LITTLE CHANGE WITH THE ADDITION OF TWO HOMES
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Key	IMPACTS ON THE HUMAN POPULATION
N	12. CHANGES IN DEMOGRAPHIC CHARACTERISTICS (population quantity, distribution and density, rate of change) COMMENTS AND SOURCE OF INFORMATION: MINIMAL CHANGE IN POPULATION AND RATE OF CHANGE.
B	13. General Housing Conditions (quality, quantity and affordability) COMMENTS AND SOURCE OF INFORMATION: NOT KNOWN AS TO THE COSG OF HOUSES
N	14. Potential for Displacement or Relocation of Business or Residents COMMENTS AND SOURCE OF INFORMATION NONE
N	15. Public Health and Safety (Medical services and facilities, Police, Fire Protection & Hazards (see #2), Emergency Medical Services, (see land use for waste disposal)) COMMENTS AND SOURCE OF INFORMATION: MINIMAL EFFECT OF HEALTH AND SAFETY DEPARTMENTS.
B	16. Local Employment and Income Patterns (quantity and distribution of employment, economic impact) COMMENTS AND SOURCE OF INFORMATION: UNKNOWN AS TO THE PLACE OF EMPLOYMENT. MINIMAL ECONOMIC IMPACT.
N	17. Local and State Tax Base and Revenues COMMENTS AND SOURCE OF INFORMATION: SHOULD BE A BENEFIT TO LOCAL AND STATE TAX BASE.
N	18. Effects on Social Structures and Mores (standards of Social Conduct/Social Conventions) Demand on Social Services (law enforcement, Educational Facilities ( libraries, schools colleges, universities) welfare, etc) COMMENTS AND SOURCE OF INFORMATION: MINIMAL EFFECT ON EDUCATION FACILITIES AND SOCIAL SERVICES.
N	19. Transportation Networks (condition and use of roads, traffic flow conflicts, rail, airport compatibility etc) COMMENTS AND SOURCE OF INFORMATION: ROADS EXIST AND VERY LITTLE INCREASE IN TRAFFIC.
N	20. Consistency with local ordinances, resolutions, or plans (conformance with local comprehensive plans, zoning or capital improvement plans) COMMENTS AND SOURCE OF INFORMATION: HAS COUNTY PLANNING BOARD AND COUNTY SANITARIAN APPROVAL.
NA	21. Regulatory Restrictions on Private Property Rights (Are we regulating pursuant to a police power? Does the Agency action restrict the use of the property beyond the minimum necessary to achieve compliance with the Act? What are the costs of such additional restrictions resulting from proposed permit conditions? Are other less restrictive ways of achieving the same goal? See your assigned legal counsel for assistance preparing this section.) Comments and Source of Information:

22. Description of and Impacts of Other Alternatives Considered:  
A. IF SUBDIVISION NOT APPROVED, NO IMPACT WOULD OCCUR  
B. IF APPROVED, PROPOSAL COMPLIES WITH ALL APPLICABLE LAWS AND RULES
23. Public Involvement: *Identify dates of meetings, comment periods, numbers of comments, etc and reference any attached responses, if any were appropriate to this project.*
24. Other Bureaus and Governmental Agencies with Jurisdiction: County Commissioners & County Health Department
25. Summary of Magnitude and Significance of Potential Impacts:
26. Cumulative Effects: No significant long term impacts with conditions (complies with all applicable laws and rules)

**Recommendation for Further Environmental Analysis:**

EIS                       More Detailed EA                       No Further Analysis

Rationale for Recommendation: No significant long-term impacts.

**EA Checklist Prepared By:**

Name:   Mary Schroeder  

Date: 11-28-07