



Iowa Department of Natural Resources
Wastewater Section
Construction Permit Application
SCHEDULE H2, Treatment Process Loading and Removal Efficiency

| |
|-------------------|
| DNR USE ONLY |
| Project No. _____ |
| Permit No. _____ |

| | |
|------------------------|------------------|
| Date Prepared _____ | Project Identity |
| Date Revised _____ | |

| | | | | |
|--------------------------|--|------------------------|------------|------------|
| 1. Project | | BOD₅ | TSS | TKN |
| A. Design Basis: | ADW- _____ MGD | #/day | #/day | #/day |
| | AWW- _____ MGD | Peak Month _____ | | |
| | MWW- _____ MGD | Peak Day _____ | | |
| | PHWW- _____ MGD | | | |
| | Design Temperature- _____ | | | |
| B. Iowa Operation Permit | Effluent Limits: | | | |
| | Monthly Average* | Daily Maximum | | |
| | mg/l | #/day | mg/l | #/day |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |
| | *with a minimum monthly average removal rate of: _____ % | | | |
| 2. Processes- | AWW | % | MWW | % |
| | mg/l | #/day | mg/l | #/day |
| A. Primary treatment- | | removal | | removal |
| description: | _____ | | | |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |
| B. Secondary treatment- | | | | |
| description: | _____ | | | |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |
| description: | _____ | | | |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |
| C. Tertiary treatment- | | | | |
| description: | _____ | | | |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |
| 3. Plant Effluent | | | | |
| | BOD ₅ _____ | _____ | _____ | _____ |
| | TSS _____ | _____ | _____ | _____ |
| | NH ₃ -N _____ | _____ | _____ | _____ |