May 4, 2000

Mr. John Tracy
President
Clearwater River Watershed District
P.O. Box 481
Annandale, MN 55302

Re: Project Inspection Report
Wenck File #0002-14-02

Dear Mr. Tracy:

The Clearwater River Watershed District projects were inspected between April 24, 2000 and April 26, 2000. The attached table contains the inspection results and our recommendations of maintenance activities with estimated costs. The figures show where maintenance activities are required and the photographs show existing conditions for each project.

Our recommendation is to solicit quotes and complete the required maintenance work this summer or fall as weather permits.

Sincerely,

WENCK ASSOCIATES, INC.

Norman C. Wenck, P.E.
President

Attachments
### TABLE 1

**Clearwater River Watershed District**  
**Annual Project Inspection**

<table>
<thead>
<tr>
<th>Maintenance Required</th>
<th>Optional</th>
<th>No Action Now</th>
<th>Estimated Cost</th>
</tr>
</thead>
</table>

### Watkins Wetland Treatment Project (South)  
*(See Figure 1)*

1. Sediment in ditch from end of culvert to 300 feet downstream (west side).  
   300 ft. x 10 ft. x 2 ft. = 225 C.Y.  
   - Maintenance Required: X  
   - Estimated Cost: $2,000.00

2. Three small washouts along south side stabilized and revegetated.  
   - Maintenance Required: X  
   - Estimated Cost: $500.00

3. Beavers on east side - water level high and channel ports plugged.  
   - Maintenance Required: X  
   - Estimated Cost: plus Kevin 8 hours

4. Fence needs repair and tightening along east side and north side.  
   - Maintenance Required: X  
   - Estimated Cost: Kevin 8 hours

5. Two washouts on north berm.  
   - One at culvert under Highway 55 - 8 ft. wide.  
   - One 200 ft. west of culvert - 6 ft. wide.  
   - Maintenance Required: X  
   - Estimated Cost: $2,000.00

6. Sediment in ditch from gabion structure to 1,000 feet downstream (east side).  
   1,000 ft. x 10 ft. x 2 ft. = 750 C.Y.  
   - Maintenance Required: X  
   - Estimated Cost: $5,000.00

### Annandale Wetland Treatment System  
*(See Figure 2)*

1. Outlet structure and stop logs in good condition.  
   - Maintenance Required: X  
   - Estimated Cost: Kevin 4 hours

2. Fence needs repair and tightening. Southwest ditch.  
   - Maintenance Required: X  
   - Estimated Cost: Kevin 4 hours

### Upper Watkins Wetland Isolation Project (North)  
*(See Figure 3)*

1. Small washout in northwest ditch 3 ft. wide stabilized and well vegetated.  
   - Maintenance Required: X  
   - Estimated Cost: Talk to farmer for buffer strip

2. Ditch along south side filled in with sediment from farm field.  
   200 ft. x 15 ft. x 3 ft. = 330 C.Y.  
   - Maintenance Required: X  
   - Estimated Cost: Kevin 8 hours

3. Fence repair and tightening.  
   - Maintenance Required: X  
   - Estimated Cost: Kevin 8 hours

### School Section Lake Outlet Project  
*(See Photo 11)*

1. Outlet structure in good condition.  
   - Maintenance Required: X  

2. Culverts and structures downstream in good condition.  
   - Maintenance Required: X  

3. Water level 20 ft. from end of culvert.  
   - Maintenance Required: X  

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*Wenck*  
Page 1 of 2
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Clearwater River Watershed District
Annual Project Inspection

<table>
<thead>
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<th>Maintenance Optional</th>
<th>No Action Now</th>
<th>Estimated Cost</th>
</tr>
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</table>

**Pleasant Lake Outlet Project**  
*(See Photo 12)*
- 1. Overflow structure in good condition.  
- 2. Water level 1.0 ft. below overflow level.  

**Lake Augusta Erosion Control Project**  
*(See Figure 4)*
- 1. Structure and overflow in good condition.  

**Kingston Wetland Treatment Project**  
*(See Figure 5)*
- 1. Water levels high on east end. Beavers in ditch - some channel ports plugged.  
- 2. Beaver dam in ditch 300 ft. west of culvert. Water level 2 ft. lower to west.  
- 3. Beaver dam in ditch water 2 ft. lower to west.  
- 4. Beaver dam in ditch/partly washed out.  
- 5. Fence repair and tightening.  
- 6. Sediment delta in ditch - southwest sed basin to 900 ft. downstream.  
  - 900 ft. x 10 ft. x 2 ft. = 650 C.Y.  
- 7. Washout 75 ft. south of first overflow structure.  
- 8. Water enters old river channel 1,000 ft. upstream of State Highway 15.  
- 9. Sediment has filled in 300 ft. of 900 ft. sed basin.  

**Aerator Buildings**
- 1. Lake Louisa  
  Building needs staining.  
  - **Estimated Cost:** $20.00  
  - Kevin 4 hours  
- 2. Lake Marie  
  Building needs staining and new door.  
  - **Estimated Cost:** $300.00  
  - Kevin 8 hours  
- 3. Lake Augusta  
  Building needs staining and rain gutters repaired.  
  - **Estimated Cost:** $100.00  
  - Kevin 8 hours  

**Maintenance Required**  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  

**Maintenance Optional**  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  

**No Action Now**  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  
- X  

**Estimated Cost**  
- $500.00 plus Kevin 8 hours  
- $5,000.00  
- $2,000.00  
- $16,920 plus 56 hours of Kevin  
- $500 plus 8 hours of Kevin  
- $0  

TOTALS:  
- $16,920 plus 56 hours of Kevin  
- $500 plus 8 hours of Kevin  
- $0
Figures
Photographs
1. Watkins Wetland Treatment Project
   Typical Ditch Section.

2. Annandale Wetland Treatment Project
   Control, Outlet Structure.

5. School Section
Lake Outlet Project.
New Outlet Structure.

6. Pleasant Lake
Outlet Project.
Outlet Structure.
7. Lake Augusta
   Erosion Control Project.
   Sedimentation Basin and Overflow Structure.

8. Kingston Wetland Treatment Project
   Sedimentation Basin.
9. Kingston Wetland Treatment Project
Berm Washout at West Overflow Structure.

10. Kingston Wetland Treatment Project
Beaver Dam on Southeast Side.
11. Kingston Wetland Treatment Project
    Silted in Ditch West Side.

12. Aerator Building
    Lake Louisa.