

 **Sampling Location:** Collect samples at these four locations. In addition, measure flow at "ALD Effluent" and collect a sample at the mouth of Little Coon Run.

 **Frequent Maintenance Location:** While all of the maintenance tasks listed in the Inspection checklist are important, these locations will most likely require the most frequent attention. The channels connecting the system components should be inspected for debris, erosion and any other signs of damage. Free flow of water between the system components is critical for its proper function.

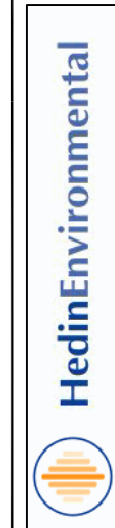
 **Erosion Inspection Location:** These areas should be inspected for signs of streambank erosion that could threaten the integrity of any of the system components. It is especially critical to make these inspections after significant flooding events.

Inspection Checklist

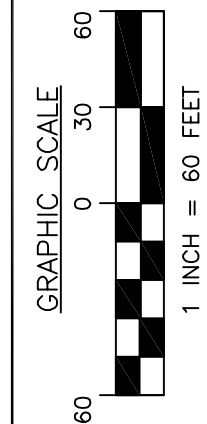
In addition to looking over the site in general, the following items should be specifically checked.

- Site Access Road
 - o Is the gate in good condition? Was the gate locked when you arrived?
 - o Is the running surface in good condition?
 - o Are the road culverts free of debris?
 - o If "NO" to any of the above, contact the Game Commission
 - o LOCK the gate as you leave
- General Site Conditions
 - o Is there any evidence of vandalism or tampering?
 - o Is the site vegetation in good condition?
- ALD Area
 - o Is there any water leaking to the stream? If so does it stain orange?
 - o Is the ALD surface subsided or uneven?
 - o Is the LC 19D water flowing clear with no staining?
- Pond
 - o Is the channel from the ALD to the pond clear of debris?
 - o Are the berms subsided or uneven?
 - o Is the water level in the pond normal?
 - o Is the exit channel from the pond to the wetland clear of debris?
 - o Is there evidence of rodents living in the pond embankment?
- Wetland
 - o Are the berms subsided or uneven?
 - o Are there wetland plants throughout the wetland?
 - o Is the water level in the wetland normal?
 - o Are pests (muskrats, geese) active in the wetland?
 - o Is the exit channel clear of debris?

Any problems should be noted in a field book that is dedicated to the project. Serious problems should be reported to the PAGC and Hedin Environmental immediately



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OPERATION AND MAINTENANCE PLAN
FARMINGTON SITE
PASSIVE TREATMENT SYSTEM

MUNICIPALITY: FARMINGTON TOWNSHIP
COUNTY: CLARION COUNTY, PA

FILE NAME: FARMINGTON_O&M.DWG
DATE: SEPTEMBER 2007
DRAWN BY: NAW
SCALE: AS SHOWN