



Solar Passive Treatment System Inspection Form

Inspection Locations

Discharge Area

Is water flowing freely from the ground into the ditch?
If the flow is blocked, clear the blockage away.

Ditch to Pond 1

Is the ditch carrying water to the pond as intended?
If the ditch is obstructed with iron sludge and litter, were you able to remove it?
If there is an obstruction that could not be removed by hand, plan to remove it at a later date with appropriate equipment or assistance.

Flume

Record depth of water in flume, flow rate (gpm), water pH, and temperature.

Turnpike Drainage to Pond 1

Pond 1 receives storm runoff from a turnpike drain. Is the turnpike drainage ditch in good shape?
Is there a large amount of sediment flowing into Pond 1 from the Turnpike? If the ditch appears to be causing problems to Pond 1, contact the Turnpike Commission.

Pond 1

The pond's effectiveness can be compromised by: 1) the accumulation of sludge and litter or, 2) obstructions in the pond that cause short-circuited flow.
Has sludge accumulated so deep that it is visible throughout the pond?
If YES, then see "sludge cleanout" recommendations
Is there an obstruction in the Pond that causes preferential flow? If YES, then plan a way to remove the obstruction during the next site inspection.

Pond 1 Discharge Channel

Is the channel obstructed?
If YES, were you able to remove the obstruction?
If there is an obstruction that could not be removed by hand, plan to remove it at a later date with appropriate equipment or assistance.
Record water pH, temperature and alkalinity.

Pond 2

Is there an obstruction to the free flow of water through the pond? If YES, plan to have it removed at a later date.

Pond 2 Discharge

Beavers have dammed the Pond 2 discharge spillway.
Is the Pond 2 Discharge Channel still dammed?
Inspect the pond breast, looking for evidence of erosion or undercutting.
Does the Pond 2 breast show signs of increased recent erosion?
If YES, discuss the conditions at the next Independence Conservancy meeting and plan to remove the beaver dam as soon as possible.
Record water pH, temperature and alkalinity.

⊙ Sampling Location

▲ Maintenance Location noted in checklist

OPERATION AND MAINTENANCE PLAN

SOLAR MINE SITE
PASSIVE TREATMENT SYSTEM

MUNICIPALITY: FINDLAY TOWNSHIP	DATE: OCTOBER 2007	FILE NAME: he-solar2-NAW
COUNTY: WASHINGTON COUNTY	DRAWN BY: NAW	SCALE: AS SHOWN



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