

## Errata

### Correction to page 35

Closer to home, Ducks Unlimited Interpretive Centre near Stonewall, Manitoba uses a free water surface wetland to treat grey and black water from its office and interpretive centre built in 1993.

The treatment system uses three cells: two settling cells plus a wetland cell for the final cleaning or “polishing” of the water before it is released into Oak Hammock Marsh. Each cell is about an acre in size.

Water from the wetland cell is only released into the marsh between July 15 and October 31 each year. Between mid-May and July 15, the pipe between the primary and secondary cells is closed, allowing micro-organisms to process the effluent in the secondary cell for

about a month before being released into the wetland cell. Water flows from the secondary cell into the wetland to a depth of 0.45 m where it is held for two weeks before being released into the marsh. The cycle is repeated two more times. From the end of October, over the winter and into spring, the wastewater collects in the primary and secondary cells. About 0.30 m of water is retained in the wetland cell over winter.

### Correction to page 133

The results show that, in all cases, water quality of the east pond was superior to that in the west pond as would be expected given the west pond is the first cell to receive surface water from the site. In the case of the east pond, the one concern raised by the analysis is the level of total phosphorus. In two of the three test periods, the phosphorus level is slightly above the provincial guideline of 1 mg/l for wastewater discharged into a body of water. This is not a concern provided the east pond water remains where it is. The two periods when phosphorus levels were above guidelines were in the fall when flooding is not a concern.



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Figure 38: Ducks Unlimited Canada wetland wastewater treatment, Oak Hammock, Manitoba. The two bottom ponds are for settling solids; the upper is the treatment wetland.