

# INDUSTRIAL WASTEWATER TREATMENT USING VETIVER FLOATS IN AUSTRALIA



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## **Treating Strategy**

**Processing effluent produced by a rendering plant had very high nutrient and salt contents is stored in two storage ponds.**

**The effluent was:**

- Used to irrigate vetiver planting on the banks of the ponds**
- Treated in situ with vetiver floats on the ponds**

# Irrigating vetiver planting on the banks of the ponds



**Primary, untreated  
processing water  
storage ponds**







**Vetiver planting on the banks of the storage ponds**





**Two months  
after planting  
on banks of the  
storage ponds,  
irrigated with  
pond effluent**





**Vetiver  
planting on  
the banks of  
the storage  
ponds**





# Vetiver floats on the ponds



**Floats made from recycled refrigerator containers**





**The floats are attached to a floating walkway for easy maintenance and servicing**











**The floating walkway is in turn attached to the banks**





**Two week old  
vetiver raised in  
diluted effluent  
before putting to  
full strength  
effluent**

**THANK YOU**

