City of Dayton, Ottawa Yards

Packer Lot Storm Water Separator Project
Watershed Initiatives Grant

“Innovative technology for watershed and storm water Best Management Practices.”

$30,000 grant
(Total Cost incl. In-kind $64,574.50)
Replaces Existing Drain Inserts
Through a competitive Bid, Baysaver Technology was chosen, and based on the drainage area, and sewer line size, a 3K system was selected. Treats 3,500 gpm, which is equivalent to 2.2” of Rain in an hour over the packer lot drainage system.
Installation began on July 8, 2005
Installation
Installation Complete
July 15, 2005
Performance

The unit is effective at capturing both solids and oil from the storm water run-off of the Packer Lot.
After 4 months of service, over 6 gallons of free product had collected in the storage manhole.

6’ diameter at 3/8” = 6.6 gallons.
Maintenance

The unit is accessible and easily cleaned using a Vactor and only requires cleaning quarterly.
Disposal

The impacted storm water is easily disposed of at the Waste Water Treatment Plant.
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Conclusions

• Cost Effective
  USEPA/MCD Storm Water Grant

• Need
  Packer lot was identified as an area of concern

• Efficient
  Replaced Maintenance Intensive System (Drain Inserts)

• Compliance
  Ottawa Yards Permit; Requires storm water runoff Management

• It works!.............