

IN BRIEF:

SITE/LOCATION:

Fremont, WI
Orihula Sanitary System installed in 1998
with 150 progressing cavity pumps.

PROBLEM:

Expensive, frequent main flushing
required to keep one of the pressure
sewer's segments, Red Oaks, from
clogging. The clogging was due to the
inability of the progressing cavity pumps
to adequately flush solids from the 3"
pressure main.

SOLUTION:

Crane Pumps & Systems modeled
the Orihula Sanitary System using
sophisticated piping software, illustrating
to Fremont Plumbing & Heating the
benefits and improvements the Barnes
Replacement Core Units, utilizing the
Barnes Omni Grind Plus, can provide.

Key features include universal design to fit
directly into the current grinder wetwell,
higher flow rates for greater velocity in
the pressure main to eliminate odor and
clogging, and the grease-proof ESPS level
control assures trouble-free operation.

Applications & Systems

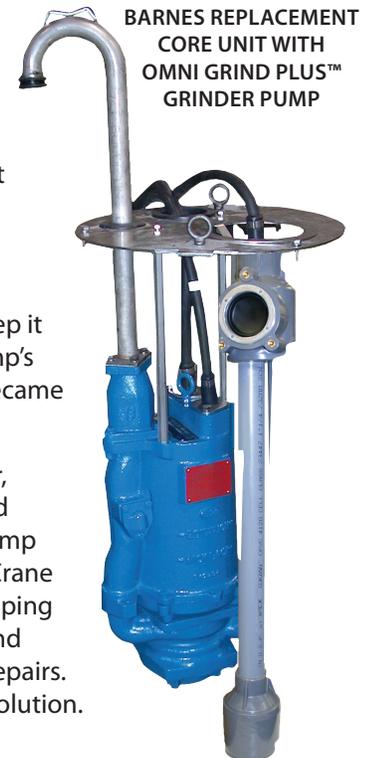
Barnes Replacement Core Unit Eliminates Maintenance Costs

The Barnes® Pressure Sewer Solution

When the Orihula Sanitary (Pressure Sewer) System
of Fremont, WI was installed, 30 homes were
planned for the Red Oaks segment, so a 3" pressure
main was put in place. Only 8 homes were built
on this segment. When 2 of the 8 homes became
seasonal use, the progressing cavity pumps could not
provide flow rates sufficient to scour solids from the
main piping, resulting in clogging.

It was necessary for Fremont Plumbing & Heating,
Orihula's contractor, to flush the line frequently to keep it
open as well as to replace the progressing cavity pump's
stators as they wore out quickly whenever the line became
plugged, at high cost to the municipality.

Jim Murray, Inc., a Crane Pumps & Systems distributor,
shared the improved operation and benefits provided
by the Barnes centrifugal Omni Grind Plus™ (OGP) pump
with Phil Hering of Fremont Plumbing & Heating. A Crane
Pumps & Systems engineer conducted a complete piping
analysis modeling the system utilizing OGP pumps and
demonstrated the ability to eliminate clogging and repairs.
It was clear, the OGP replacement core unit was the solution.



BARNES REPLACEMENT
CORE UNIT WITH
OMNI GRIND PLUS™
GRINDER PUMP

Fremont Plumbing & Heating replaced 7 progressing cavity pumps with Barnes
Omni Grind Plus replacement core units in the Red Oaks segment of the Orihula
Sanitary System. Hering reports they have not had to flush the system since
installation.

CRANE

PUMPS & SYSTEMS



BARNES REPLACEMENT CORE UNIT
INSTALLED AT ORIHULA SANITARY SYSTEM

**"Through the years, Barnes pumps
perform, have a longer life span and
do not have the call backs we've
experienced with other pumps."**

**- Phil Hering,
Fremont Plumbing & Heating**