

RESOLUTION NO. 1110

A RESOLUTION DECLARING TWO SEWAGE SHREDDERS AND AN ELECTRICAL CONTROL PANEL AS SURPLUS PERSONAL PROPERTY AND TRANSFERRING OWNERSHIP WITHOUT COMPETITIVE BIDS TO THE CITY OF OKANOGAN, WASHINGTON.

WHEREAS, two sewage shredders (Muffin Monster Model 30,000-40) at the City of Wilsonville Wastewater Treatment Plant have been replaced by a mechanical bar screen; and

WHEREAS, the City of Okanogan, Washington, has submitted a written bid of \$1,000 for the surplus sewage shredders and associated electrical control panel; and

WHEREAS, the Oregon Attorney General's Model Public Contract Rules (125-350-025)(1), which the City of Wilsonville has adopted, allow public agencies to transfer personal property with or without nominal remuneration without competitive bids to another public agency.

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

1. The two sewage shredders and electrical control panel are no longer needed at the Wastewater Treatment Plant and are surplus personal property.
2. The City of Wilsonville desires to transfer the surplus personal property to the City of Okanogan for a nominal remuneration in the amount of \$1,000.

ADOPTED by the City Council at a regular meeting thereof this 20th day of June, 1994 and filed with the Wilsonville City Recorder this date.



GERALD A. KRUMMEL, Mayor

ATTEST:



VERA A. ROJAS, CMC/AE, City Recorder

SUMMARY of Votes:

Mayor Krummel AYE
Council Lehan AYE
Councilor Benson AYE
Councilor Hawkins AYE
Council Sempert AYE

RESOLUTION NO. 1110
CB-R-802-94

WASTEWATER TREATMENT PLANT SURPLUS EQUIPMENT

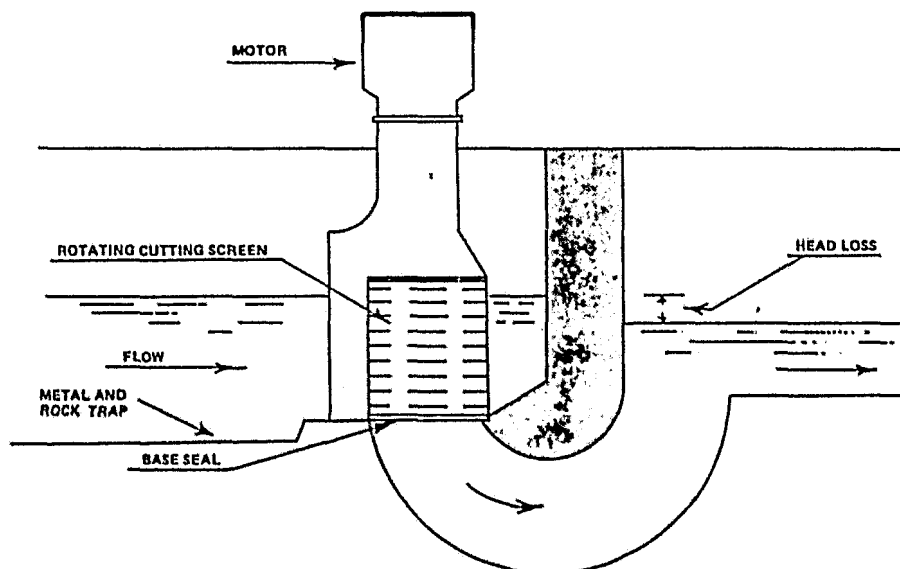
Steve Starner, Public Works Director
June 1, 1994

ABSTRACT: During the winter of 1994, the City completed a headworks improvement project at the wastewater treatment plant. As a result of the improvements, the 12 year old sewage shredders were replaced by a new mechanical bar screen unit. During a site visit in February 1994, officials from the City of Okanogan expressed interest in accruing the old sewage shredders.

BACKGROUND: In various ways, a little or a lot of almost everything finds its way into sewers and ends up at the wastewater treatment plant. Cans, bottles, pieces of scrap metal, sticks, rocks, bricks, plastic toys, plastic lids, caps from toothpaste tubes, towels and other rags, sand - - all are found in the waste stream entering the treatment plant.

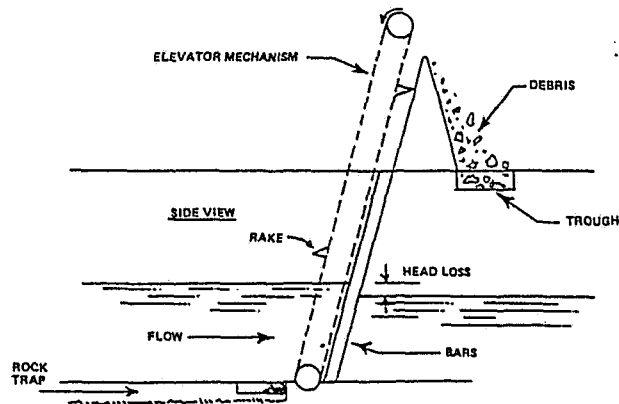
These materials are troublesome in various ways. Pieces of metal, rocks, and similar items will cause pipes to plug, may damage or plug pumps, or jam sludge collector mechanisms in settling tanks. Sand, eggshells, and similar materials can plug pipes and cause excessive wear in pumps.

During original treatment plant construction, in 1972, the headworks was equipped with a comminutor and a rock box. Their purpose was to reduce (comminute) the solids to an average particle size of 0.25 inches in diameter and leave them in the wastewater for removal in treatment units downstream. The comminutor was equipped with a 180 degree cutting surface. The shallow pit or rock box in front of the comminutor was designed to collect large rocks and debris which must be manually removed.



As a component of the 1981 plant expansion, the comminutor was replaced by two sewage shredders with 360 degree continuous cutting capability. The shredders normally operated without interruption unless jammed by a bolt, rock or similar object. When this should happen, the shredder's control panel automatically reverses cutter rotation to dislodge the object.

During an analysis of plant capacity and odor problems in 1990, consulting engineers Curran-McLeod, Inc. identified debris accumulation in the aerobic digesters as a potential source of odors and a contributor to the loss of solids treatment efficiency. Treatment plant staff contracted with Triad Mechanical, Inc. in the fall of 1993 to replace the sewage shredders with a mechanical bar screen.



Mechanical bar screens have advantages over conventional shredders as they overcome the problem of wastewater backing up (or head loss) behind the cutters and traveling rakes bring the debris up out of the waste stream and into a solid waste container. The replacement of shredders by a mechanical bar screen at the treatment plant headworks was completed in February 1994 at a cost of \$90,399.00. (The project was originally budgeted at a cost of \$120,000.)

The City of Okanogan is located approximately 50 miles south of the Canadian/Washington State border. Their treatment plant consists of two RBC shafts designed to treat 0.45 MGD and currently does not include provisions for shredding or screening at the headworks. Although Okanogan initially expressed interest in the City of Wilsonville RBC shafts which may be phased out of active use in the next two years, Okanogan officials also expressed interest in the surplus Wilsonville Muffin Monsters.

CONCLUSION: By correspondence dated March 2, 1994, the City of Okanogan has offered \$1,000 to the City of Wilsonville for two sewage shredder units and an electrical control panel. The Oregon Attorney General's Rules allow for the transfer of personal property from one public agency to another without competitive bids. The Muffin Monster sewage shredders no longer provide any beneficial use to the City of Wilsonville.

RECOMMENDATION: By formal City Council action, declare the sewage shredders as surplus property and accept the offer of \$1,000 from the City of Okanogan for the acquisition of surplus property.

ACKNOWLEDGMENTS:

Dan Snyder, Wastewater Supervisor, for coordination of the site visit and interactions with officials from the City of Okanogan.

Ray Shorten, Senior Accountant, for preparing background information pertaining to the Oregon Attorney General's Rules.

Joyce Swearingen, Public Works Secretary, for assisting with the preparation of City documents required for the transfer of property.

REFERENCES:

1. Oregon Attorney General's Model Public Contract Rules, Donations of Personal Property, Section 125-350-025(1).
2. Operation of Wastewater Treatment Plants, Volume I, Chapter 4.

ss/js

CITY OF OKANOGAN

PHONE (509) 422-3600

OKANOGAN, WASHINGTON 98840

P. O. Box 752

March 2, 1994

Received 3/15/94
[Signature]

City of Wilsonville
Ray Shorten
30000 SW Town Ctr Loop E
Wilsonville, Or 97070

Re: Purchase of Muffin Monsters

Dear Mr. Shorten:

During a recent visit to the Wilsonville Wastewater Treatment Plant, I became aware of some surplus equipment you have. One item that we are very interested in is the grinders that were replaced by your new bar screen. I understand Wilsonville would be willing to surplus these items to us.

The City of Okanogan could use these grinders and would like to make an offer of \$1,000.00 for the grinders and control panel. Even though these units are getting close to twenty years old, we feel we can rebuild them and make them work in our plant.

I would like to take this opportunity to comment on the friendliness and professionalism of your staff at the wastewater treatment plant.

I am anxiously awaiting your response to this offer. If you have any questions, please contact me at (509) 422-0717.

Sincerely,



Norm Butler
Public Works Director

pc: File

RECEIVED
MAR 7 1994
CITY OF