

Environment Committee

For the Metropolitan Council meeting of November 14, 2018

Subject: Disposition of Surplus Property in South St. Paul

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to re-convey property that was part of the original South Saint Paul Wastewater Treatment Plant site to the City of South St. Paul in accordance with the original acquisition agreement.

Summary of Committee Discussion/Questions

Staff clarified that the City of South St. Paul will use the property for industrial purposes.

Environment Committee

Meeting date: October 23, 2018

For the Metropolitan Council meeting of November 14, 2018

Subject: Disposition of Surplus Property in South St. Paul

District(s), Member(s): Richard Kramer, District 13

Policy/Legal Reference: Minnesota Statute 473.504 Subd 11

Staff Prepared/Presented: Daniel Fick, 651-602-1061; Jeannine Clancy, 651-602-1210

Division/Department: MCES c/o Leisa Thompson, 651-602-8101

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to re-convey property that was part of the original South Saint Paul Wastewater Treatment Plant site to the City of South St. Paul in accordance with the original acquisition agreement.

Background

In 1969 the Metropolitan Sewer Board acquired the South St. Paul Wastewater Treatment Plant as part of the development of a regional wastewater disposal system. Section 2.03 of the transfer Agreement (Attached) between the Metropolitan Sewer Board (Board) and the City of South St. Paul (Municipality) stated that:

The Board agrees to re-convey to the Municipality the treatment works property or any part of it when the Board determines it is no longer needed for the metropolitan disposal system.

On February 22, 2017, the Council approved the reconveyance of a parcel of property at the L-65 site in South St. Paul to the City (Business Item 2017-48). In response to a request by the city, another parcel of land was evaluated for reconveyance. It has been determined that the requested parcel is also no longer needed for the metropolitan disposal system. This item expands the previously approved area of reconveyance.

Rationale

Reconveyance of this property is a fulfillment of the Council's commitments under the original transfer agreement.

Thrive Lens Analysis

This action advances the Thrive outcomes of stewardship and prosperity by responsibly managing our existing investments and supporting orderly and economic growth by returning land back to local government where it will be made available for redevelopment in accordance with the City's approved Comprehensive Plan. Further, by releasing the land back to the City of South St. Paul, the land can be utilized for future development that will grow the region's economic strengths by providing an opportunity for a business to succeed.

Funding

None required.

Known Support / Opposition

The City of South St. Paul supports this action. No known opposition.

Environment Committee

Meeting date: February 14, 2017

For the Metropolitan Council meeting of February 22, 2017

Subject: Disposition of Surplus Property in South Saint Paul

District(s), Member(s): Richard Kramer, District 13

Policy/Legal Reference: Minnesota Statute 473.504 Subd 11

Staff Prepared/Presented: Daniel Fick, 651-602-1061; Bryce Pickart, 651-602-1091

Division/Department: MCES c/o Leisa Thompson, 651-602-8101

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to re-convey property that was part of the original South Saint Paul Wastewater Treatment Plant site to the City of South Saint Paul at no cost in accordance with the original acquisition agreement.

Background

In 1969 the Metropolitan Sewer Board acquired the South St. Paul Wastewater Treatment Plant as part of the development of a regional wastewater disposal system. Section 2.03 of the transfer Agreement between the Metropolitan Sewer Board (Board) and the City of South Saint Paul (Municipality) stated that:

The Board agrees to re-convey to the Municipality the treatment works property or any part of it when the Board determines it is no longer needed for the metropolitan disposal system.

With the decommissioning of the South Saint Paul Wastewater Treatment Plant during the 1980s and completion of the Lift Station L-65 facility improvements in 2015, certain portions the original property are no longer required for the regional wastewater disposal system.

Rationale

Reconveyance of this surplus property is a fulfillment of the Council's commitments under the original transfer agreement.

Thrive Lens Analysis

This action advances the Thrive outcomes of stewardship and prosperity by responsibly managing our existing investments and supporting orderly and economic growth by returning land back to local government where it will be made available for redevelopment in accordance with the City's approved Comprehensive Plan. Further, by releasing the land back to the City of South St. Paul, the land can be utilized for future development that will grow the region's economic strengths by providing an opportunity for a business to succeed.

Funding

None required.

Known Support / Opposition

The City of South Saint Paul supports this action. No known opposition.

SEE P. 4-7
AND P. 17 of
exhibits

AGREEMENT

This Agreement, made and entered into by and between the Metropolitan Sewer Board (hereinafter called the Board), and the City of South St. Paul (hereinafter called the Municipality);

WITNESSETH THAT, in the joint and mutual exercise of their powers and in consideration of the mutual covenants herein contained, the parties hereto recite and agree as follows:

Section 1. Recitals. Minnesota Laws 1969, Chapter 449, Section 5, authorizes the Board, at any time after January 1, 1970, to assume ownership of and require any local government unit to transfer to it, any existing interceptors or treatment works needed to implement the Metropolitan Council's comprehensive plan for the collection, treatment and disposal of sewage in the metropolitan area. The Board, by its Resolution No. 70-72, determined to assume the ownership of the treatment works and necessary appurtenances thereto described in Section 2.01 hereof and owned and operated by the Municipality, and directed the Municipality to transfer to the Board all of its right, title and interest in and to such treatment works and appurtenances. The Metropolitan Council, by its Resolution No. 70-26, has approved the acquisition of the treatment works and necessary appurtenances by the Sewer Board.

Section 2. Transfer and Return of Treatment Works.

2.01. Treatment Works and Appurtenances. The Municipality will transfer to the "Metropolitan Sewer Board established by Laws 1969, Chapter 449" by quit claim deed on or before October 1, 1970, all of its right, title and interest in and to its sewage treatment works and all necessary appurtenances thereto, and the property on which such treatment works and appurtenances are located and its easement for access to the property, the legal description of which is attached hereto and marked Exhibit A. All property described in Exhibit A is hereinafter referred to as the "treatment works".

2.02. Personal Property. The Municipality will also transfer to the Sewer Board by appropriate instruments of conveyance, on or before October 1, 1970, that personal property used for the operation of the treatment works which is described in the list attached hereto and marked Exhibit B.

2.03. Return of Treatment Works. The Board agrees to reconvey to the Municipality the treatment works property or any part of it when the Board determines it is no longer needed for the metropolitan disposal system. Prior to the reconveyance the Board may remove for its own use any structures or equipment located on the property, and shall dismantle, remove or demolish all remaining buildings, structures and equipment which remain on the property and which the Municipality has not requested to be left intact. Upon the date of any such reconveyance, the Municipality shall become obligated to pay to the Board an amount equal to the credit previously allowed to the Municipality for the land reconveyed pursuant to Chapter 449, Section 5, Subdivision 4; provided that if the Municipality is entitled to additional credit which has not yet been allowed by the Board, the Municipality shall not be required to pay such amount to the Board in cash to the extent that the Municipality's credit not yet allowed can be reduced by the amount owed to the Board.

Section 3. Operation of Treatment Works; Payment of Cost.

3.01. Costs Incurred In 1970. The Board will operate and maintain the treatment works of the Municipality and provide treatment for sewage discharged into it by the Municipality and its contracting municipalities, until such time as the sewage discharged into the treatment works is diverted to another treatment works through an interceptor or by other means. The Municipality will pay all costs incurred by the Board from October 1, 1970 through December 31, 1970, which under accepted accounting principles constitute normal and reasonable

costs of operation and maintenance of the treatment works. Such costs shall not include general administrative costs of the Board or costs which, under accepted accounting principles, are properly regarded as capital costs. The Board intends that the operation and maintenance costs to be billed to the Municipality be of the same nature and amount as would have been paid by the Municipality under the same circumstances. The Municipality will pay directly all such costs incurred by it prior to October 1. Thereafter the Board will submit a statement to the Municipality on the first day of each month commencing on October 1 and ending on December 1, 1970, for the cost of operation and maintenance which it estimates will be incurred in operating the treatment works for that month, less any excess or plus any deficiency in previous payments by the Municipality for this purpose. The Municipality will pay the amount due as shown on the statement to the Board within ten days after receipt of the statement. On or before February 1, 1971, the Board will submit to the Municipality the Board's determination of the actual costs of operation and maintenance of the treatment works during such period, and will remit to the Municipality any amount in excess of such costs collected from it. If the total amount previously paid by the Municipality to the Board for costs of operation and maintenance of the treatment works during such period is less than the actual amount of such costs, the Municipality shall pay to the Board on or before February 15, 1971 an amount equal to the difference between the actual costs and the amount previously paid by the Municipality for this purpose.

3.02. Inventory; Purchase of. On or before February 1 the Board will also submit to the Municipality an inventory of all expendable supplies and materials used in the operation of the treatment works which were on hand on or about January 1, 1971, and which have been paid for by the Municipality. The Board agrees to pay to the Municipality by February 1 an amount equal to the cost to the Municipality of such supplies and materials, if any.

3.03. Costs Incurred After 1970. The Board will include in its annual budget for 1971 and each year thereafter the costs of operation and maintenance of

incurred on or after January 1, 1971, and will allocate such costs to the Municipality and other local government units in the metropolitan area in accordance with Chapter 449.

Section 4. Uncompleted Construction Contracts.

4.01. Contracts Outstanding. The Municipality has entered into the contract described below for the engineering, design and construction of certain improvements to the treatment works:

- a. Engineering Services Contract, with Greeley and Hansen Engineers, Chicago, Illinois, and Bannister Engineering Company, St. Paul, Minnesota, dated July 21, 1964.
- b. Sewage Works Additions and Improvements Contract, Division A, with Lametti & Sons, Inc., St. Paul, Minnesota, dated December 12, 1967.
- ✓ c. Sewage Works Additions and Improvements Contract, Division B, with Barso Construction, Inc., dated December 19, 1967.
- d. Sewage Works Additions and Improvements Contract, Division C, with Acton Construction Company, Inc., Hugo, Minnesota, dated April 1, 1968.

Said contracts have not been completed and each contractor and the Municipality still have obligations to perform under each contract.

4.02. Assignment of Contracts. The Municipality agrees to assign to the Sewer Board on or before October 1, 1970 all of its rights and obligations under each of said contracts, provided that when each such assignment is made the Municipality is not in default under the contract to be assigned, in which event the Sewer Board shall not be required to accept the assignment.

Section 5. Financing of Capital Costs.

5.01. Federal Grant. The Municipality made application to the Federal Water Pollution Control Administration of the United States Department of Interior (now FWQA) for a grant of not to exceed \$450,000 to be used to pay costs of improvements to the treatment works and certain other demonstration project costs. Such application was approved on May 24, 1967 by the FWQA, and the grant is designated Federal Sewage Works Grant, WPC-Minn.-507. The Sewer Board will complete the improvements

and demonstration project for which such grant was made, will file all reports thereon requested by FWQA, and will pay all remaining costs of the foregoing. The Municipality assigns and transfers to the Sewer Board on October 1, 1970, all of its rights in and to such application and grant, and any moneys received or to be received thereunder. As of October 1, 1970 the Municipality had received \$ 377,238.44, and requested payment of an additional \$ 6448.51, of which \$ 216,890.00 is now on hand in its Sewage Treatment Facilities Construction Fund.

5.02. Bonds Issued. The Municipality has issued all or a portion of each issue of general obligation bonds described in the list attached hereto and marked Exhibit C, to provide funds to pay costs of acquisition and betterment of the treatment works.

5.03. Municipality's Obligation. The Municipality agrees to continue to pay all principal of and interest on all outstanding bonds of the issues described in Exhibit C when due. The principal amount so paid prior to January 1, 1971 shall be included in the construction cost of the treatment works paid by the Municipality, for the purpose of computing the current value of such facilities to be credited to local government units pursuant to Chapter 449, Section 5, Subdivision 4.

5.04. Sewer Board's Obligation. The Sewer Board, upon assuming ownership of the treatment works, shall become obligated to pay to the Municipality amounts sufficient to pay a percentage of the principal and interest coming due on or after January 1, 1971, on each of the bond issues described in Exhibit C. Subject to adjustment as hereinafter provided, the parties agree that such percentages are: 100% for the Sewer Bonds dated October 1, 1962, 48.55% for the Flood Control Bonds dated January 1, 1966, 100% for the Sewage Treatment Facilities Bonds dated February 1, 1968, and 100% for the Sewage Treatment Facilities Bonds dated September 1, 1968; and that such percentages of principal and interest come due in the years and in the amounts set forth in the schedule attached hereto and marked Exhibit D. These percentages are intended to be equal to that percentage of the proceeds of each bond issue

either party that a greater or lesser percentage of such proceeds were expended on the treatment works, the percentages in this section and the principal and interest amounts set forth in Exhibit D shall be adjusted accordingly by a written amendment to this Agreement. The Sewer Board may offset amounts due to the Municipality in any year under this Section against amounts allocated to and due from the Municipality to the Sewer Board in accordance with its annual budget prepared in accordance with Chapter 449, Section 10.

Section 6. Personnel and Permits.

6.01. Personnel. The Municipality agrees to identify, on or before October 1, 1970, all persons who are its employees and who will become employees of the Sewer Board pursuant to Chapter 449, and to prepare a statement of the salary or wages currently paid to each such employee, and a statement of the retirement, health, welfare and other benefits to which each such employee is entitled.

6.02. Permits. The Municipality agrees to transfer to the Sewer Board on or before October 1, 1970, all permits or licenses issued to it by any government agency for the construction and operation of the treatment works.

Section 7. Treatment Works Pumping Capacity. At present, sanitary sewage and storm water are conveyed into the treatment works through the sewer collection system of the Municipality. During rainfalls the amount of combined sewage and storm water conveyed into the treatment works exceeds its capacity and must be bypassed into the Mississippi River to avoid flooding in the Municipality. During periods of high water levels in the Mississippi River, such bypassing can only be accomplished through the use of pumping facilities at the treatment works. The Board agrees to maintain not less than the present South St. Paul reserve pumping capacity for the purpose above stated at the treatment works, and, during such periods, to operate such pumping facilities for this purpose, upon request of the Municipality's Engineer. The Municipality has commenced a program for the separation of its sanitary sewer system and its storm sewer system, and will complete such separation program as soon as is practical and economically feasible. Costs

of providing such reserve capacity shall be included in the Board's annual budget and allocated in accordance with Chapter 449.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement this 1st day of October, 1970.

In the presence of:

Metropolitan Sewer Board

Marc Coughlin

By [Signature]
Chairman

Lennie E. Dye

And [Signature]
Chief Administrator

City of South St. Paul

Linda McCarroll

By [Signature]
Mayor

Valerie Young

And [Signature]
City Recorder

EXHIBIT A

TREATMENT WORKS REAL PROPERTY

The general description of the treatment works site is as follows:

An area of land generally within the following boundary:

Bounded on the south by the north right-of-way line of Maltby Street, on the west by a line extending approximately 965 feet in a northerly direction from a point on the north right-of-way line of Maltby Street 316 feet east of the east right-of-way line of Forest Avenue, and thence extending approximately 820 feet in a northwesterly direction to a point of intersection with the south right-of-way line of Interstate Highway No. 494, on the north by the south right-of-way line of Interstate Highway No. 494, and on the east by the Mississippi River.

The exact description of the treatment works site will be determined by a registered survey of the property to be made and paid for by the Board, with the assistance of the Municipality.

The surveyed description, when completed, shall be substituted for this Exhibit A.

EXHIBIT B

TREATMENT WORKS PERSONAL PROPERTYInventory of Items Purchased Under the Original
1939 Contract Other Than Structures and Tanks at the
South St. Paul Sewage Treatment Plant

MAIN BUILDING CONTENTS

OFFICE:

	NO.	DATE PURCHASED	ORIGINAL COST
Desk	1		
File Cabinets	2		
Chairs - Leather Upholstered	4		
Typewriter	1		
Venetian Blinds	5		

Inventory of Items Purchased Since Original 1939
Contract But Not Under Federal Purchases

MAIN BUILDING CONTENTS

OFFICE:

	NO.	DATE PURCHASED	ORIGINAL* COST
Coat Rack	1	1967	18.00
File Cabinets	1	1943	25.00
Desk Light	1	1969	

* Original cost if not known, estimated.

** Furnished Under Contract C.

Inventory of Items Purchased Since 1967 With
Federal Assistance for Demonstration

MAIN BUILDING CONTENTS

OFFICE:

	NO.	DATE PURCHASED	ORIGINAL COST
Desk	1	1968	40.00
Chair - Secretary	1	1968	40.00
Typewriter (Used)	1	1968	196.00
Calculator	1	1967	375.00
Airconditioner	1	1968	100.00

Inventory of Items Purchased Under the Original
1939 Contract Other Than Structures and Tanks at the
South St. Paul Sewage Treatment Plant

MAIN BUILDING CONTENTS

LABORATORY:

	NO.	DATE PURCHASED	ORIGINAL COST
Microscope	1		
Hood	1		
Autoclave	1		
Oven Drying & Sludging	2		
Incubator	1		
Hot Plate	1		
PH Meter	1		
Muffle Furnace	1		
Glassware - Various Items			
Analytical Balance	1		
Desk	2		
Glassware Storage Cabinet	2		
Laboratory Work Benches	2		
Refrigerator	1		
Glassware Special - like Color Comparators			

SPECIAL SAFETY EQUIPMENT:

Gas Masks	3		
Davey Safety Lamp	1		
Face Masks	1		

Inventory of Items Purchased Since Original 1939
Contract But not Under Federal Purchases

MAIN BUILDING CONTENTS

LABORATORY:

	NO.	DATE PURCHASED	ORIGINAL* COST
Storage Cabinets	2	1940	50.00
Wooden Shelves			100.00
Glassware mostly purchased before 1960			500.00
Chemicals mostly purchased since 1965			750.00

SPECIAL SAFETY EQUIPMENT:

Gas Masks	3	1969	**
One Breathing			
Two Chlorine			
Safety Harness		1940	15.00

* Original cost if not known, estimated.

** Furnished Under Contract C.

ITEMS IN WORK SHOP (GARAGE)

DESCRIPTION	NO.	YEAR PURCHASED	COST*
Lincoln Welder and 200 Ft. Cable	1	1946	350.00
Electric Drills			
Drill and Stand 5/8"	1	1966	
Drill - 1/2" Reversible	1	1965	65.00
Drill 1/4"	1	1960	30.00
Gas Welder, reducing valves, 100' hose and cart.	1	1968	160.00
Welding Rod 100#		1969-70	52.50
50 Mild Steel .31			20.00
30 Hard Facing .75			22.50
20# Others .50			10.00
Anvil		1940	15.00
Portable Pumps			
Jaeger Centrifugal 400 g/m (Gasolin)	1	1949	375.00
Fairbanks-Morse Centrifugal	1	1962	200.00
Homelight Trash Pump	1		Paid for Under Flood by Govern.
Gorman Pump - 10" Diaphragm	1	1955	380.00
Grinder - (Two Wheel)	1	1960	80.00
Vise - Heavey Duty	1	1968	89.00
Mowers			
Jari		1966	255.00
Rotary		1967	97.00
Small Tools			
Hammers	6	1968-70	28.00
Pipe Wrenches			
36" (Crane Price)	1	1969	24.85
24" (Crane Price)	1	1969	11.75
12" "	1	1969	4.60
10" "	2		7.80
Socket Set	1	1968	43.00
Other small items, saws, hedge shears, small wrenches etc.			200.00
Safety Lamp	1		40.00
Bolts on Hand \$200-400			300.00
Pipe Fitting Mostly used			100.00
Lawn Sprinklers			
Rotary	1	1969	7.95
Tilting	1	1969	
Rain Bird	1	1970	12.95
Air Blower - Cadillac	1	1948	25.00
Shear Pins @ .40	50	1970	20.00
Relays Used	11	1940	
Meters (Amperes)	3	1940	
Bearing Boxes	2	New	60.00
Bearings & Couplings	85		1,000.00
Fuses & Mercury Switches and Coils and other misc. items like Bearing Boxes, Valve Stems, small Pipe Cutters, etc.			500.00

* If not actually known approximate cost based on inquiry from dealers for larger items like pumps.

ITEMS IN WORK SHOP CONT:

8" Pipe Cutter	1	1969	72.50
Coffin Type Hoists @ 80.00	3	1968	240.00
Log Chains	3	1967-70	40.00
Extension Cables			
Heavy Duty 100'	1	1969	100.00
Ground Cable 40'	1	1970	25.00
Shovels			
Short Handled	2	1968	9.00
Long Handle	1	1970	4.80
Pick	1	1970	7.77
Snow Shovels	2	1969	8.50
Keller Electric Hack Saw	1	1950	
Scrap Iron	approx.100#		

ITEMS ACQUIRED UNDER THE ORIGINAL CONSTRUCTION CONTRACT OF 1939-1940

BASEMENT -OLD MAIN BUILDING	NO.	COST
Fairbanks Morse Synchronous Motor #367 857 75HP 720RPM	1	
American Well Raw Sewage Pump 10 MGD	1	
Fairbanks Morse Motor #367 858 75HP 720 RPM	1	
American Well Raw Sewage Pump 5MGD	1	
Fairbanks Morse Motor #367 856 40HP 720RPM	1	
Westinghouse Control Panel consisting of 10 units	1	
CO ² Fire Extinguisher Model 15AK Gen. Detroit Corp.	1	
Hand Operated Hoist	1	
Randolph CO ² Fire Extinguisher	1	
Roots Connevar Blower with Allis Chalmer 20HP Motor	2	
Water Tank (Supply)	1	
Air Compressor GE Motor 2HP (Ingersall Rand Type 30)	1	
2" Pump Deming - Continental with 5HP Motor		
Lockers	4	
Stools	2	
Table	1	
NEW DOG HOUSE		
Cross collector shaft and 4 sprochets (possibly repairable)	2	
Drive sprochet (split 32" conclav Used built up)	1	
Guards Galv. Iron Used	12	
Blower Building		
Electric air blower and 125HP motor Elliott	1	
Control board	1	
WELL HOUSE		
Pumona Well water pump	1	
Air Compressor	1	
500 gallon storage tank	1	
Auto controls for pump and air compressor		

ITEMS ACQUIRED UNDER THE ORIGINAL CONSTRUCTION CONTRACT OF 1939-1940

COMPRESSOR ROOM

	No.	COST
Chicago Pneumatic Reciprocating Air Compressor	1	
Locker	1	
Air Receivers	3	
2 - small		

GARBAGE GRINDER BUILDING

4" Garbage Discharge Pump Am. Well FM 5HP	1	
Concave drive sprochet used	1	
5HP motor 3500 RPM Used	1	
Fairbanks Morse pump parts Used	3	
12" gate value Used	1	
Fairbanks Morse plunger pump with 5HP motor plus parts Used	1	

SCALE ROOM STORAGE OLD MAIN BUILDING

Used relays	12	
TK relays Used	4	
Spare parts for relays		
Typewriter Used	1	
Pressure gauges Used	2	
Spare parts for chlorinator		
Gas burners	2	
Other electrical parts Used		

ITEMS NOT NECESSARILY IN ANY STORAGE AREA OR BUILDING

Motors & speed reduction drive units on outside tanks	15	
Filter control gate motors	6	

ITEMS ACQUIRED BY DIRECT PURCHASE
TO BE FOUND IN THE FOLLOWING LOCATIONS

	NO.	YEAR PURCHASED	COST
STORAGE UNDER THE COMPRESSOR UNITS			
Lengths of 730 chain (20 links ea.) New	4	1969	
Links of 730 chain Used	250	1950	
Links of 730 chain New	25	1969	
Attachment Links #730 New	66	1969	
2 1/2" rubber fire hose 50' length used	11	1965-70	
3" suction hose 25" Used		1970	
1" hose 50' length Used	3	1967	
1 1/4" Air hose 50' Used	1	1968	
1 1/4" Air hose 50' Used	1	1969	
1 1/2" Air hose 40' Used	1	1969	
Roll 588 chain Used	1	1967	
12 link #730 chain New	2	1968	
OLD DOC HOUSE STORAGE			
20' length 2" galv. pipe New	2	1969	
10' length 2" Black pipe New	2	1969	
20' length 2" square steel tubing black I New	2	1969	
1 1/2"x3/8" Blk I 20' steel New	9	1969	
3/4"x1/4" Blk I 20' steel New	12	1969	
2"x3/16" Blk I 16' steel new	2	1969	
10"x1/4"x20' steel New	1	1969	
5"x1/4"x20' steel New	1	1969	
3"x3"x3/8" angle iron 20' New	2	1970	
1 1/2"x3/16x20' steel new	2	1970	
3/8x2 1/2x20' steel New	16	1970	
3/4"x40' rubber air hose New	1	1969	
1"x70' rubber air hose New	1	1969	
3/4"x40' rubber air hose New	2	1969	
1 1/2"x40' rubber air hose Used	1	1969	
4" suctiln hose 24' New	1	1969	
3" canvass hose 36'	1	1962	
2 1/2" blk rubber hose 50'	1	1970	
1/4" steel rod for unplugging sewer 300'	1	1940	
1/4" steel rod for unplugging sewer 28'	1	1960	
Wooden Forms 1"x12"x16'	5	1969	
#730 Links	20	1968	
Roll of #730 chain, 20 links ea. New	3	1970	
#730 chain of 14 links New	1	1969	
#730 chain attachment New	51	1970	
#720 chain attachments New	12	1969	
Drive Sprochet 11 teeth New	1	1968	
Drive Sprochet 11 teeth Rebuilt-1965	17	1940	
20' lengths of 3/8" x 2 1/2" steel*	16	1970	
20' lengths 90° angle 1/4" x 1 3/8" x 2" *	1	1970	

Recent purchases, not paid for as of Sept. 30

ITEMS ACQUIRED BY DIRECT PURCHASE
TO BE FOUND IN THE FOLLOWING LOCATIONS

MENS WASH ROOM	NO.	YEAR PURCHASED	COST
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12" window fan from Dayton's	1	1970	
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GARBAGE GRINDER STORAGE

11T - 2-3/8" bore 20" diameter sprochets New	4	1969	
Drum 500 gallon with 1/2 full 600 w cylinder oil	1	1970	
Drum Vactra oil #2 50 gallon Mobile 1/2 full	1	1970	
30 gallon drum #30 motor oil full	2	1970	
Pail of oil gear #80 or 90 SAE Full	1	1970	
Barrel truck (wheeler) Built	1	1950	
3/8"x1 1/2"x18" steel rail New	3	1969	
1 1/2"x1 1/4"x10' square steel New	1	1970	
1"x10' shaft New	1	1970	
1"x8' shaft New	1	1970	
3"x20' suction hose New	2	1970	
1 1/2"x150' hose New	1	1970	
200' of 3/4" garden hose	1	1970	
Centrifugal 200 g/m close compld sewage pump	1	1965	
Centrifugal 400 g/m sewage pump & motor	1	1964	
10 HP Motor Used	1	1960	
30 AMP switchbox New	1	1970	
2"x6' shaft new	1	1970	

ITEMS NOT NECESSARILY IN ANY STORAGE AREA OR BUILDING

12' Aluminum boat & oars	1	1951	
Chevrolet pick-up 3/4 ton, 1969 model	1	1968	
Wheel barrows	2	1948	
Adaptors for outside water hydrants	16	1970	
Flight boards	16	1969 & 1970	
2" Rubber hose to chlorinators	300'	1970	
American Well pump 10 mgd	1		

ITEMS ACQUIRED BY DIRECT PURCHASE
TO BE FOUND IN THE FOLLOWING LOCATIONS

NEW DOG HOUSE

	N .	YEAR PURCHASED	COST
Links of #730 Used	40		
17"x38 $\frac{1}{2}$ " steel gates for filter New	4	1956	

BLOWER BUILDING

12T - 33/8" bore Diameter 24" split idler sprochet New	2	1970	
Barrels of flight links for old cross collector		1966	

SCALE ROOM STORAGE OLD MAIN BUILDING

Cleaners 5 gallon pails	5	1970	
Hand cleaner - cans	23	1970	
Gallons of sulfuric acid	7	1970	
Gallons of hydrochloric acid	4	1970	
Boxes of rags	2	1970	
Boxes of paper towels	2	1970	
5 gallon pail of weed killer	1	1970	
Lbs. of Instant Calgon	25	1970	
Bags of Sanfax fly bait	2	1970	
Dozen Milk Bottles	1	1970	
Pints of petroleum ether	16	1970	
Pints of Hexanes	8	1970	
Cans of Open Gear Lubricant	22	1970	
Small Fan	1	1955	
Dozen test tubes with racks	2	1940	

ITEMS ACQUIRED BY DIRECT PURCHASE
TO BE FOUND IN THE FOLLOWING LOCATIONS

	NO.	YEAR PURCHASED	COST
COMPRESSOR ROOM			
5-lb. Fyr Fighter CO ² Extinguisher, New	1	1970	
GARBAGE GRINDER BUILDING			
Yeomans Grinder with Drive Unit FM 50HP	1	1952	
Pump Weinman with 3½ HP motor	1		
Pump Variable speed Sterling elec. 3HP motor	1		
INDUSTRIAL PUMPING STATION			
5-lb. Fyr Fighter CO ² Extinguisher (New)	1	1970	
BASEMENT - OLD MAIN BUILDING			
10MGD American Well Raw Sewage Pump		1970	
Crane Sunnyday 302 Boiler #10-302	1	1969	
Healy Ruff Control Panel	1	1969	
5 gallon Sae 80-90 Gear Tube	1	1970	
Sears "75" Hot Water Heater	1	1968	
Window Exhaust Fans New	2	1970	
Sears 28 ft. aluminum ladder	1	1970	
Cabinet Bench with Vise - Built	1	1950	
Vacuum Pump for Laboratory With Tank (ZeFex)	1	1970	

ITEMS ACQUIRED UNDER THE ACTON CONSTRUCTION CONTRACT 1970 :

(Contents of Buildings)

INDUSTRIAL PUMPING STATION

NO. COST

Auto Control Pane - 6 sections as follows:

- 1 - Breaker main - meter
- 1 - 3 unit
- 1 - 4 unit (lighting) / on top of conveyer bldg.
- 1 - 5 unit lighting / on top of grit chambers
- 1 - 3 unit
- 1 - 1 control Reacto Speed

Reacto Speed	1
Chain Hoist	1
Vent Fan	1
Reznor Unit Heater	1
Fairbanks Morse Pumps T100GPM	3
1 - FM Motor 75 hp Serial 3-3652	
1 - FM Motor Variable Speed 75 hp Serial B9274	
1 - FM Motor Variable Speed 75 hp at repair shop	

BAR SCREEN

Rex Bar Racks	2
Skip Hoist	1
Vent Fan	1
Sump Pump	1
Electric Garage Door	1
Reznor Furnace	1
White Truck with Dump Box	1
Neumatic gate valves	1
Air compressor & holding tank	1
Fisher Porter pump control & metering devise	1

GREASE BUILDING

2-section Panel Board Auto Control	1
1 - 1 control	
1 - 6 unit cntrol	
Renland Grease Hoist, electric	1
Hand Hoist	1
Reznor Heating Unit	1
Acme Engineering Vent Fan	1

ITEMS ACQUIRED UNDER THE ACTON CONSTRUCTION CONTRACT
1970

COMPRESSOR ROOM	NO.	COST
Davey Permavane Comp. Model 2P306 Serial 14650	1	
Auto Control Panel Board - 5 sections as follows:		
1 - 2 control		
1 - 4 control		
1 - 1 control		
1 - 5 control		
1 - 5 control		
1 - small control on end		
Reznor Heating Unit	1	
Large Air receiver	1	
 EJECTOR BUILDING		
Yeomans Control Panel	1	
Watubo Industries Hopper	1	
Drive Unit - General Electric Motor	1	
Reznor Heating Unit	1	
Vent Fan, Acme Engineering	1	
Ejector (Yeoman)		
 GARBAGE GRINDER		
Reznor Heating Unit	1	
Sump Pump	1	
Electric Garage Door	1	
 CONVEYOR BUILDING		
Vent Fans, Acme Engineering	4	
Rex Drive Units	4	
Reznor Furnace	1	
Belt Conveyor	1	
Angular Conveyor	1	
Ejector (See ejector bldg. above)	1	
Control Panel	1	
 ITEMS NOT NECESSARILY IN ANY STORAGE AREA OR BUILDING		
Supernatant sump pump	1	
Motor and speed reduction drive units on outside tanks	9	
Filter distributors	6	
Magnetic Meter 30mgd - Fisher porter	1	
Large Air holding tanks	1	
Electric automatic flood control gate for domestic sewage	1	

ITEMS ACQUIRED UNDER THE ACTON CONSTRUCTION CONTRACT 1970 :

CHLORINE BUILDING	NO.	COST
Electric Hoist - Wright (with control)	1	
Howe Richardson Scale	1	
Vent Fans	2	
Control Panel	1	
Fischer Porter Chlorinators (2 sections each)	2	
Reznor Heating Unit	1	
BASEMENT - OLD MAIN BUILDING		
Dover Oildraulic Elevator Model DF-120-25 Volts 440 60 cycle 25HP 8000# Capacity (New)	1	
Auto Control Panels - 3 sections each as follows:	2	
2 - 3 unit		
2 - control for reacto		
2 - reacto		
Fisher Porter Sewage Meters	3	
Electric Hoist - Wright-way	1	
Fairbanks Morse Pump GPM	1	
Fairbanks Morse Motor at repair shop	1	
Fairbanks Morse Pump GPM	1	
Fairbanks Morse motor 75HP #B9555 Variable	1	
Fairbanks Morse Pump 8675 GPM	1	
Fairbanks Morse Motor 75HP B9327 Constant	1	
Fairbanks Morse Pump 8675 GPM	1	
Fairbanks Morse Motor 75HP B9656 Variable	1	
Fairbanks Morse Pump 8675 GPM	1	
Fairbanks Morse Motor 100HP B9275 Variable	1	
Fairbanks Morse Pump 8675 GPM	1	
Fairbanks Morse Motor 100HP B9131 Variable	1	
Vacuum pump for laboratory Zefec 1/2HP	1	
Vacuum pump for sewage pump check valve 1/2HP Yoamen Model 54578829 Duty Master motor	1	
NEW DOG HOUSE		
4-Riser steel stair New	1	

✓ GRAND AVENUE PUMPING STATION CONTENTS
PURCHASED UNDER CONTRACT B 1969-1970

	NO.	COST
Rex Chainbelt Barscreen		
Panel Boards - Healy Ruff	4	
Air compressor Bell & Gossett 1/3 HP	1	
Vnotch Weir	1	50.00
Pumps Allis Chalmers	3	
Westing House Motors 25HP	3	

Items Purchased not in Contract C For Chemical
Building for Demonstration

DESCRIPTION	NO.	DATE	COST
Centrifugal Pump	1	1968	302.77
Conveyor	1	1968	758.55
Laboratory Equip. (Glassware)		1968	167.53
Laboratory Counters		1968	574.00
Feed Platform			
Hand Rails		1968	392.50
Welding		1968	660.61
Lumber		1968	311.26
Steel		1968	522.39
Special Lights		1968	624.72
Plumbing		1968	1,138.01
Air Compressor	1	1968	53.05
Feed Equipment		1968	12,078.00
Flash Mixers	7		
Viking Pumps	2		
500 gal. fiber glass tanks	4		
Hot water Heater	1	1968	426.50
Cement Mixer	1	1968	215.82
Hoppers	2	1968	129.20
Little Giant Pump	1	1968	81.00
Electric Clock	1	1968	9.74
Refrigerator (Used)	1	1968	75.00
Special Control	1	1968	625.37
Hoppers	2	1968	51.50
Jabsco Pump	1	1968	27.25
Motor	1	1968	31.82
Little Giant Pump	1	1968	74.80
Vacuum Pump	1	1968	68.73
Seco Controller	1	1968	159.20
BOD Tank (Old)	1	1940	75.00
Table old	1	1941	
Lockers old	10	1940	

Inventory of Items Purchased Since 1967 With
Federal Assistance for Demonstration

MAIN BUILDING CONTENTS

LABORATORY:

	NO.	DATE PURCHASED	ORIGINAL COST
Dessicators	3	1967	159.90
Evaporating Dishes	24	1967	23.46
Plastic Chairs	4	1967	35.16
Drying Oven	1	1967	248.00
Grease Ex. Unit	1	1967	378.19
Lights for Lab.		1968	286.00
Air-conditioner		1968	250.75
Special lighting for lab.			286.00
BOD Bottles and Glassware (BOD Bottles - \$96.00)		1968	229.60
BOD Refrigerator	1	1968	575.00
Fecal Coli Incubator	1	1968	157.00
Spectrophotometer	1	1968	395.00
Jar Test Equipment	1	1968	280.00
Jar Test Illuminator	1	1968	152.53
Centrifuge and Parts	1	1968	426.90
Kjeldahl (Nitrogen)	1	1968	1,685.00
Balances Torsion	2	1968	99.50
Electric Still	1	1968	532.00
Blender	1	1968	33.50
PH Meter	1	1968	330.00
Clock Timer	1	1968	8.95
Stop Watch	1	1968	21.50
One Calorimeter	1	1968	395.00

Laboratory Items Purchased Without Government
Assistance In the Last Couple of Years

General Items of Glassware 500.00

Laboratory Items Especially Costly Items Purchased
Without Government Assistance In the Last Couple of Years

Imhoff Cones	17	1968 & 69 & 70	238.00
BOD Bottles (Other than above)	150		300.00
Evaporating Dishes	150		150.00
Pipettes	125		156.00

Items Purchased Under Demonstration Not Necessarily
Laboratory Equipment to be Found as Part of or in the Chemical
Building and in and Around the Old Main Laboratory but
not Included in Above Listed Items.

CHEMICAL BUILDING ITEMS

DESCRIPTION	DATE	COST
Pullies for digestors	1967	1.50
Rheostat for digestors	1967	15.00
Cold roll stainless steel rod	1967	14.93
Lumber, shovel, nails, etc.	1967	21.93
Five gallon jugs for digestors (glass)	1967	47.34
Five gallon plastic jugs for digestors	1967	42.35
12-3 SO Cord	1967	19.50
Three 5 gallon carboys	1967	23.72
Eductor for bentonite	1968	25.00
Second Eductor	1968	25.00
Pipe, rain cap, solvent cement	1968	113.34
Rubber hose for sludge studies	1968	96.00
1- $\frac{1}{2}$ " x 100" a BRD L-26 CPLD F & F, Misc.	1968	141.80
Sewer Pipe, Fittings	1968	25.07
2 Myers trucks (\$112.00) 2 push bars and rubber tires	1968	141.53
Misc. supplies, pipe fittings	1968	12.74
Pipe Fittings (Special)	1968	26.57
Sewer Pipe, drain tile	1968	15.59
Post Hole Digger and extension; plastic	1968	32.73
Two oak barrels	1968	31.90
Square elec. weld	1968	29.84
Grout for platform and pumps (100 lbs.)	1968	15.45
Sewer tile	1968	27.81
Repair stand. Pump unit with motor	1968	5.75
Pieces of misc. types of metal	1968	8.25
Braces for flash mixers	1968	88.37
Flanges, bushings, tees, washers, couplings	1968	29.49
Misc. Pipe fittings	1968	78.69
Valve, pulley	1968	4.84
100' Hose, couplings	1968	239.55
Overload Heaters	1968	25.41
Ells, tees, sweat gate valve	1968	19.43
Plastic piping	1968	41.80
Material for Fed. parshall flume	1968	67.55
Stringers	1968	20.74
Harrington Hoist	1968	28.50
Hoppers	1968	51.50
Float valves, copper floats, brass rods, tees	1968	57.84
Pulley	1968	6.67
Relay switch for air comp. for blowing out feed lines	1968	26.73
Steel for mixers	1968	6.12
Mortar Box	1968	12.99
20' Mesh	1968	4.00
Splash shield for motors	1969	7.50
Pipe fittings	1969	3.72

CHEMICAL BUILDING ITEMS CONT:

Century DC Motor - repair kit	1969-	50.00
Eductor	1969	25.00
Steel shaft, propellor 7/8" Bore	1969	70.00
Gates, tees, copper, ells, adaptors	1969	23.72
8½" x 50' N-1440 CPLD M & F, Fig 89 Brass	1969	96.00
Check Valve	1969	12.73
Galvanized Iron	1969	28.50
Chemical resistant propellor	1969	28.80
Rearrange wiring, material, labor, ins. (in lab.)	1969	42.19

OLD MAIN LABORATORY ITEMS.

Misc. Electrical Equipment	1967	8.60
Stainless Steel	1967	2.02
Hot Water Tank for air flotation tests	1967	7.50
Electric Mixer	1968	5.00
Condensers, pipettes, & centrifuge tubes	1968	112.34
2 aluminum collars for nitrogen machine	1968	4.75
Switch plate, plumbing to make up BOD tank	1968	43.05
Piping for nitrogen machine	1968	31.26
1" x 50 Ft. 2 BRD 1-26 Red CPLD M & F 1PT	1968	73.80
Stock tank for BOD bottles	1968	16.25
Cork borer set	1968	11.00
Glassware	1968	163.82
Eighteen Kjledahl Flasks	1968	33.66
Ladder	1968	13.46
Pipe fittings	1968	13.16
Milk bottles for samples	1968	15.34
Imhoff Cones	1968	47.82
BOD bottles	1969	94.60
Crucibles	1969	57.60
Equip. 50% cost of pipettes	1969	62.68

ITEMS PURCHASED UNDER FEDERAL DEMONSTRATION AND TO BE
 FOUND IN THE FOLLOWING LOCATIONS OTHER THAN ITEMS LISTED
 ELSE WHERE IN THE CHEMICAL BUILDING AND OLD MAIN

ASEMENT - OLD MAIN BUILDING

	NO.	COST
lunger Pump2 - 12" Cycle Carter Model 805 duplex		
Ser. 103471 GPM255 TDH60 1 motor US Inclosed Emerson	1	
Electric 7 $\frac{1}{2}$ HP 1155RPM Model R-1702-01-170		
airbanks Morse Centrifugal Motor 5 HP 1160RPM	1	
airbanks Morse Pump F-233612 Spec. 20164-1 Size 4		
Serial K2R1060515	1	

ARBAGE GRINDER BUILDING

0 galv. tank Used

EXHIBIT C

TREATMENT WORKS BOND ISSUES

1. \$150,000 Sewer Bonds dated October 1, 1962.
2. \$485,000 Flood Control Bonds dated January 1, 1966.
3. \$1,300,000 Sewage Treatment Facilities Bonds dated February 1, 1968.
4. \$1,750,000 Sewage Treatment Facilities Bonds dated September 1, 1968.