



* Berkley * Beverly Hills * Bingham Farms * Birmingham
* Clawson * Huntington Woods * Lathrup Village * Pleasant Ridge
* Royal Oak * Southfield * Southfield Township

AGENDA

Regular Meeting – Wednesday, December 14, 2011 – 8:30 a.m.

[Pleasant Ridge Community Center, 4 Ridge Rd.](#)

1. Meeting Called to Order
2. Roll Call & Recognition of visitors
3. Approval of Agenda
4. Approval of Minutes – Regular Meeting – November 9, 2011
5. Approval of Warrants – 716
6. **ADMINISTRATIVE REPORTS**
 - A. Discussion with J. Bryan Williams
 - B. DWSD Rate Process for 2012/13
 - C. DWSD Issues
 - D. November Water Sales
 - E. Purchase of Two Pick Up Trucks
7. **ITEMS NOT ON AGENDA**
8. **MONTHLY REPORTS**
 - A. Water Consumption Report – November 2011
 - B. Budget Analysis – November 2011

C. Budget Analysis – July 2011 – November 2011

D. Water Samples – November 2011

E. Precipitation – Inches (Webster Pumping Station)

Notice: The Southeastern Oakland County Water Authority will provide necessary, reasonable auxiliary aids and services, such as signers, for the hearing impaired, or audiotapes of printed materials being considered at the meeting to individuals with disabilities. All such requests must be made at least five days prior to said meeting. Individuals with disabilities requiring auxiliary aids or services should contact the Southeastern Oakland County Water Authority by writing or calling: General Manager's Office, 3910 W. Webster Road, Royal Oak, MI 48073; (248) 288-5150.

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

Regular Meeting – November 9, 2011

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| <u>ADMINISTRATIVE REPORTS</u> | |
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| Meeting Adjourned – | 9769 |

MINUTES OF THE REGULAR MEETING
OF THE
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

Wednesday, November 9, 2011 – Lathrup Village Community Center

The meeting was called to order at 8:30 a.m. by Mr. Harry Drinkwine, Chairman.

| <u>Present</u> | <u>Votes</u> | <u>Municipality</u> |
|-----------------------------|--------------|---------------------|
| Chris Wilson | 1 | Beverly Hills |
| Dr. Don Ketai | 1 | Bingham Farms |
| Brendan Cousino (Alternate) | 4 | Birmingham |
| Harry Drinkwine | 1 | Clawson |
| Claire Galed | 1 | Huntington Woods |
| Matt Baumgarten (Alternate) | 1 | Lathrup Village |
| Scott Pietrzak | 1 | Pleasant Ridge |
| Greg Rassel | 8 | Royal Oak |
| Mike Habowski | 15 | Southfield |
| Robert Walsh | <u>1</u> | Southfield Township |
| TOTAL: | 34 | |

Absent

| | | |
|-------------------|---|---------|
| Derrick Schueller | 2 | Berkley |
|-------------------|---|---------|

Also Present

J. A. McKeen, General Manager
K. Bever, Executive Assistant
C. Sena, Administrative Assistant
R. Davis, General Counsel
Leigh Schultz, City of Southfield

- 9756 -

Motion by Mrs. C. Galed, supported by Mr. M. Baumgarten:

That the agenda be approved as submitted.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9757 -

Motion by Mr. G. Rassel, supported by Mr. M. Habowski:

That the October 12, 2011 Board Meeting minutes be approved as typed and circulated.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9758 -

Motion by Mrs. C. Galed, supported by Mr. M. Habowski:

That Warrant No. WA-715 in the amount of \$2,443,712.11 be approved and payments authorized.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9759 -

Motion by Mr. S. Pietrzak, supported by Mr. B. Cousino:

That the report on the 2010/11 Audit be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9760 -

Motion by Dr. D. Ketai, supported by Mrs. C. Galed:

That the General Manager be authorized to continue the present health insurance reimbursement program for Medicare eligible retirees and their Medicare eligible spouses up to a maximum of \$118 per individual per month.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9761 -

Motion by Mr. G. Rassel, supported by Mrs. C. Galed:

That the contract with Project Innovations be approved for a cost not to exceed \$7,500.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9762 -

Motion by Mr. C. Wilson, supported by Mr. M. Baumgarten:

That the Quarterly Report – October 2011 be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9763 -

Motion by Mr. G. Rassel, supported by Mrs. C. Galed:

That the report on investments made by the Authority during the period July 1, 2010 through September 30, 2011 be received and filed and made a part of the Board record.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9764 -

Motion by Mr. S. Pietrzak, supported by Mr. B. Cousino:

That the Quarterly Legal Report prepared by Robert Davis, General Counsel, which is intended to set forth the current and expected legal work issues in the next quarter, be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9765 -

Motion by Mr. S. Pietrzak, supported by Dr. D. Ketai:

That the Board authorized the purchase of two Wanco WTSP55-LSA arrow boards from Contractor's Connection at a cost of \$8,642.50.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9766 -

Motion by Mr. R. Walsh, supported by Mr. G. Rassel:

That the report on the DWSD Rate Process for 2012/13 be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9767 -

Motion by Mr. S. Pietrzak, supported by Mr. G. Rassel:

That the report on the DWSD Issues be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9768 -

Motion by Mr. G. Rassel, supported by Mrs. C. Galed:

That the report on the Webster Reservoir Cleaning be received and filed.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

- 9769 -

Motion by Mr. S. Pietrzak, supported by Mr. G. Rassel:

That the meeting be adjourned.

Yeas: Wilson, Ketai, Cousino, Drinkwine, Galed, Baumgarten, Pietrzak, Rassel, Habowski (34 votes)
Nays: None
Absent: Schueller (2 votes)

Motion carried.

The meeting was adjourned at 9:27 a.m.

APPROVED: _____
Chairman

Secretary

| WA-716 | | CHECKS CUT FOR THE MONTH OF: | | |
|----------------------|---------|-------------------------------------|--------------|---|
| | | NOVEMBER 2011 | | |
| CHECK | | PAYEE | AMOUNT | PURPOSE |
| Account: 1009 | | | | |
| 047707 | VC U890 | Void Check | -350.00 | Void Check |
| 047751 | ZC P327 | Void Check | 0.00 | Void Check |
| 047752 | CK U890 | UWA Local 413 | 350.00 | Reissue Union Dues Check |
| 047753 | CK A180 | Acme Ladder & Supply | 97.40 | Supplies |
| 047754 | CK A879 | AT&T Mobility | 531.95 | Cell Phone Service |
| 047755 | CK A882 | AT & T | 66.34 | Phone Service |
| 047756 | CK B830 | Builders Exchange | 100.00 | Membership Renewal |
| 047757 | CK C440 | Chet's Rent All | 448.80 | Maintenance of Reservoirs |
| 047758 | CK C610 | Brenda Cole | 225.00 | Website Development |
| 047759 | CK C650 | Comcast | 59.95 | Internet Security |
| 047760 | CK C760 | Consumers Energy | 101.19 | Gas Service |
| 047761 | CK D238 | Davis Listman | 507.66 | Legal Service |
| 047762 | CK D290 | DTE | 173.69 | Electric Service |
| 047763 | CK D291 | DTE | 1,922.76 | Electric Service |
| 047764 | CK D295 | Detroit Water and Sewer Dept | 1,894,168.35 | Purchase Water Supply |
| 047765 | CK D850 | Durst Lumber Company | 125.63 | Tools |
| 047766 | CK E950 | Ezell Supply Corp | 77.60 | Janitorial Supplies |
| 047767 | CK H780 | The Home Depot | 421.46 | Maintenance of Equipment/Tools |
| 047768 | CK I800 | ISA | 100.00 | Membership Renewal |
| 047769 | CK J136 | J & J ACE HARDWARE | 10.92 | Maintenance of Property & Grounds |
| 047770 | CK L700 | Lock City | 8.50 | Supplies |
| 047771 | CK N368 | New Pig Corporation | 258.68 | Maintenance of Equipment |
| 047772 | CK P427 | Plante & Moran, PLLC | 2,300.00 | Progress Payment - Yearly Audit - Final |
| 047773 | CK S365 | Schimmelmans Tool & MFG, INC | 300.00 | Maintenance of Equipment |
| 047774 | CK S849 | State of Michigan, Cashier's Office | 74.20 | Personnel Training |
| 047775 | CK T467 | Scott Tieg | 100.00 | Naturescape Speaker - Grant |
| 047776 | CK T955 | City of Troy | 1,399.12 | Maintenance of Vehicles |
| 047777 | CK W825 | WOW! Internet-Cable-Phone | 108.63 | Internet Security |
| 047778 | CK Y208 | Billy J Young | 150.00 | Janitorial Services |
| 047779 | CK S200 | John Schandavel | 57.30 | Contract Services - Mileage |
| 047780 | CK U890 | UWA Local 413 | 350.00 | Union Dues - November |
| 047781 | CK V325 | Vantagepoint Transfer Agents | 150.00 | Deferred Compensation |
| 047782 | CK V327 | Vantagepoint Transfer Agents 457 | 2,239.06 | Deferred Compensation |
| 047783 | CK F700 | Mary Ford | 623.13 | Reimburse Petty Cash |
| 047784 | CK T270 | TASC | 3,052.00 | Retiree Health Care Reimbursement |
| 047785 | CK A180 | Acme Ladder & Supply | 50.85 | Supplies |
| 047786 | CK A350 | Airgas Great Lakes | 73.99 | Equipment Supplies |

| WA-716 | | CHECKS CUT FOR THE MONTH OF: NOVEMBER 2011 | | | |
|--------|---------|---|-----------|---------------------------------------|--|
| CHECK | | PAYEE | AMOUNT | PURPOSE | |
| 047787 | CK A650 | Association Benefits | 20,168.59 | Employee Health Insurance | |
| 047788 | CK B400 | Employee Medical Reimbursement | 257.76 | Employee Medical Reimbursement | |
| 047789 | CK C440 | Chet's Rent All | 212.30 | Maintenance of Mains | |
| 047790 | CK D260 | Delwood Supply Company | 19.86 | Maintenance of Equipment | |
| 047791 | CK D290 | DTE | 1,655.27 | Electric Service | |
| 047792 | CK D850 | Durst Lumber Company | 49.62 | Maintenance of Building/Supplies | |
| 047793 | CK E190 | East Jordan Iron Works Inc | 1,900.46 | Maintenance of Mains | |
| 047794 | CK G122 | GPC Clawson | 146.41 | Maintenance of Vehicles | |
| 047795 | CK H780 | The Home Depot | 72.03 | Maintenance of Mains | |
| 047796 | CK I520 | Ikon Office Solutions | 217.87 | Maintenance of Office Equipment | |
| 047797 | CK J136 | J & J ACE HARDWARE | 6.35 | Maintenance of Property & Grounds | |
| 047798 | CK M283 | Mazzella Lifting Technologies | 1,029.30 | Maintenance of Equipment | |
| 047799 | CK M352 | Metal Mart U.S.A. | 51.83 | Maintenance of Reservoirs | |
| 047800 | CK M728 | Penelope Morris | 142.43 | Maintenance of Property & Grounds | |
| 047801 | CK N410 | Nine Mile Rent-All Inc | 81.00 | Maintenance of Mains | |
| 047802 | CK P140 | Paetec | 935.42 | Phone Service | |
| 047803 | CK R400 | Employee Medical Reimbursement | 2,061.96 | Employee Medical Reimbursement | |
| 047804 | CK R407 | RKA Petroleum | 3,801.43 | Fuel | |
| 047805 | CK S790 | The City of Southfield | 2.34 | Water Service | |
| 047806 | CK S828 | Staples Advantage | 200.07 | Office Supplies | |
| 047807 | CK S852 | Superior Materials, Inc. | 1,197.50 | Maintenance of Mains | |
| 047808 | CK S853 | Super Car Wash Systems | 20.00 | Maintenance of Vehicles | |
| 047809 | CK T798 | Total Lawn Care, Inc. | 823.00 | Maintenance of Property & Grounds | |
| 047810 | CK Y208 | Billy J Young | 150.00 | Janitorial Services | |
| 047811 | CK S200 | John Schandavel | 233.00 | Contract Services - Mileage | |
| 047812 | CK V325 | Vantagepoint Transfer Agents | 222.00 | Deferred Compensation | |
| 047813 | CK V327 | Vantagepoint Transfer Agents 457 | 2,167.06 | Deferred Compensation | |
| 047814 | CK M447 | Michigan First Credit Union | 400.31 | Lunch Meetings/Computer Backup - VISA | |
| 047815 | ZC W180 | Void Check | 0.00 | Void Check | |
| 047816 | VC W185 | Void Check | 0.00 | Void Check | |
| 047817 | CK C950 | Custom Computer Resources Inc | 3,141.28 | Maintenance of Computer Software | |
| 047818 | CK A180 | Acme Ladder & Supply | 64.83 | Supplies | |
| 047819 | CK A350 | Airgas Great Lakes | 208.23 | Equipment Supplies | |
| 047820 | CK A879 | AT&T Mobility | 574.24 | Cell Phone Service | |
| 047821 | CK B180 | Batteries Plus | 70.50 | Maintenance of Vehicles | |
| 047822 | CK B210 | Barrett Paving Materials | 335.80 | Maintenance of Mains | |
| 047823 | CK C260 | CDW-G | 428.00 | Maintenance of Computer Hardware | |
| 047824 | CK C760 | Consumers Energy | 108.72 | Gas Service | |
| 047825 | CK C775 | Contractors Connection | 406.16 | Safety Supplies | |

| CHECKS CUT FOR THE MONTH OF: | | | | | |
|------------------------------|---|---------------------|---|--|--|
| NOVEMBER 2011 | | | | | |
| CHECK | PAYEE | AMOUNT | PURPOSE | | |
| 047826 | CK C790 Cox & Winfree Tire Inc | 727.00 | Maintenance of Vehicles | | |
| 047827 | CK C985 Cynergy | 253.41 | Maintenance of Vehicles | | |
| 047828 | CK D260 Delwood Supply Company | 278.03 | Maintenance of Equipment | | |
| 047829 | CK D290 DTE | 705.18 | Electric Service | | |
| 047830 | CK D291 DTE | 2,140.31 | Electric Service | | |
| 047831 | CK D850 Durst Lumber Company | 53.23 | Maintenance of Building/Supplies | | |
| 047832 | CK F732 Fresard Buick GMC, Inc. | 826.52 | Maintenance of Vehicles | | |
| 047833 | CK G122 GPC Clawson | 60.28 | Maintenance of Vehicles | | |
| 047834 | CK G800 Gunners Meters & Parts, Inc. | 100.00 | Tools | | |
| 047835 | CK H780 The Home Depot | 296.45 | Maintenance of Mains/Equipment | | |
| 047836 | CK I520 Ikon Office Solutions | 250.55 | Maintenance of Office Equipment | | |
| 047837 | CK M283 Mazzella Lifting Technologies | 120.03 | Maintenance of Equipment | | |
| 047838 | CK M498 Michigan Rural Water Association | 200.00 | Membership Renewal | | |
| 047839 | CK M540 Miss Dig System Inc | 604.09 | Participation in System | | |
| 047840 | CK M750 MPPOA | 75.00 | Membership Renewal | | |
| 047841 | CK N360 New Horizons Computer Learning | 2,500.00 | Employee Training | | |
| 047842 | CK P825 Pro-Tec Equipment, Inc. | 248.00 | Maintenance of Mains | | |
| 047843 | CK R160 Radiant Asphalt | 1,700.00 | Maintenance of Mains | | |
| 047844 | CK R890 Rochester Lawn Equipment | 57.76 | Maintenance of Equipment | | |
| 047845 | CK S828 Staples Advantage | 703.41 | Office Supplies | | |
| 047846 | CK S833 Standard Insurance Company | 370.04 | Employee Life Insurance | | |
| 047847 | CK T270 TASC | 372.48 | Retiree Health Care Reimbursement | | |
| 047848 | CK U550 United States Plastic Corp | 92.81 | Supplies | | |
| 047849 | CK W825 WOW! Internet-Cable-Phone | 42.99 | Internet Security | | |
| 047850 | CK W825 WOW! Internet-Cable-Phone | 50.50 | Internet Security | | |
| 047851 | CK Y208 Billy J Young | 150.00 | Janitorial Services | | |
| 047852 | CK U890 UWA Local 413 | 350.00 | Union Dues - Dec | | |
| 047853 | CK V325 Vantagepoint Transfer Agents | 222.00 | Deferred Compensation | | |
| 047854 | CK V327 Vantagepoint Transfer Agents 457 | 2,167.06 | Deferred Compensation | | |
| | Account Total: | 1,969,714.22 | | | |
| Account: 1001 | | | | | |
| 003381-34 | CK K363 Employee Medical, Optical, Dental Reimbursement | 5,977.37 | Employee Medical, Optical, Dental Reimbursement | | |
| | Account Total: | 5,977.37 | | | |

November 15, 2011

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Discussion with J. Bryan Williams

Board Members:

J. Bryan Williams, the Commissioner representing Oakland County, will be attending the December SOCWA Board meeting to discuss the activities of the Board of Water Commissioners. Mr. Williams will also answer questions from the members of the Board.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: None

December 8, 2011

Board of Trustees
Southeastern Oakland County Water Authority

Subject: DWSD Rate Process for 2012/13

Board Members:

DWSD conducted the second meeting in the 2012/13 rate process, the presentation of the units of service (peaking factors and annual consumption) data, on November 17. The remaining meetings, which had been scheduled for December 15 and January 19, are being rescheduled to:

Mid-January Preliminary overall rate change distributed
Late-January 2012/13 rates distributed

The Board of Water Commissioners public hearing will be held on February 22, 2012. Under Judge Cox's order, the Board has the final approval of wholesale customer rates. The preliminary and final rate presentation meetings are being postponed because DWSD is trying to incorporate the changes imposed by Judge Cox's order, see discussion in the next agenda item, into their budget for 2012/13.

The units of service being used in the 2012/13 rates for SOCWA are the maximum day, peak hour and annual volume numbers contained in our contract with DWSD. We will have the opportunity to update those numbers in the fall of 2013.

DWSD is doing a bond offering, which is tentatively scheduled to close on December 19. I am reviewing the Preliminary Official Statement for this bond offering to learn more about DWSD's financial plans. DWSD has maintained their current credit ratings (Moody's A1, Standard & Poors A+) for this bond issue. The bond offering will have no effect on the 2012/13 water rates. However, the new bonds will have a major effect on future year's water rates.

DWSD did indicate in their Statement that they estimate rate increases of 8.5%, 8.2%, 7.5% and 7.7% for July 1, 2012, 2013, 2014 and 2015, respectively. We will use the 8.5% rate increase as our estimate for planning purposes until the preliminary overall rate change information is presented in mid-January. Assuming that DWSD does distribute the 2012/13 rates before the end of January, we should be able to include a SOCWA rate estimate in the agenda package for the February Board meeting. Please let me know if you need a 2012/13 rate estimate before the February 8 Board meeting.

SOCWA staff will be attending each of the DWSD rate meetings and we will be issuing reports to the Board every month during the DWSD rate season.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on the DWSD Rate Process for 2012/13 be received and filed."

December 9, 2011

Board of Trustees
Southeastern Oakland County Water Authority

Subject: DWSD Issues

Board Members:

This report is intended to update the Board on the DWSD issues that were discussed at the November Board meeting.

Board of Water Commissioners

The Board of Water Commissioners is meeting almost every week to address the implementation of Judge Cox's Order. SOCWA staff is attending each of these meetings in order to monitor how the order is being implemented and to identify the ways in which DWSD's customers should be involved in this process. I continue to be very impressed by the Board and the role that they are taking in improving DWSD.

DWSD Director

Sue McCormick has been named the Director of DWSD by the City of Detroit. Ms. McCormick was the Public Services Area Administrator for the City of Ann Arbor prior to being named DWSD Director. In that capacity, Ms. McCormick ran the water treatment, waste water treatment and DPW functions for Ann Arbor. The selection of Ms. McCormick was the result of a very convoluted search process that began in April of 2010. Ms. McCormick was introduced to the Board of Water Commissioners on November 9, 2011, the day of our November Board meeting. The Board did agree to appoint Ms. McCormick as DWSD Director at their November 16 Board meeting and the Board made it clear that Ms. McCormick reports to the Board. The appointment of Ms. McCormick is effective as of January 1, 2012.

Despite the awkward selection process and the fact that her appointment was presented to the Board as a done deal, Ms. McCormick is a good choice as DWSD Director. I have met with her several times since she was named Director. She is a very impressive individual that will be able to deal with the very difficult position she has been placed into. She also places a very high value on customer involvement in DWSD operations. SOCWA staff plans to work very closely with Ms. McCormick in the future. I will also invite her to address the SOCWA Board at a future meeting. Naming Ms. McCormick as DWSD Director is a very positive step for DWSD and its customers.

The BOWC did express their concern to the City of Detroit about their lack of involvement in this selection process. I am convinced that the BOWC will be much more active in future selection processes, although Judge Cox's Order does make it clear that the appointment of the DWSD Director remains the responsibility of the City of Detroit.

Implementation Judge Cox's Order

BOWC Chair Mr. Fausone has assumed primary responsibility for the implementation of Judge Cox's order. This responsibility will probably shift to Ms. McCormick as of January 1, 2012. The BOWC is meeting weekly to discuss implementation issues and the Board has established committees that are working with representatives of the City of Detroit to figure out how to unravel the Human Resources, Legal, Finance, Purchasing and Rates functions currently performed by the City that are being transferred to DWSD. The budget implications of these changes are also being included in DWSD's budget for 2012/13. The working group established by Judge Cox (the Mayor, City Council President, Council President Pro Tem and James Fausone representing the Board of Water Commissioners) is also continuing to meet regularly to discuss issues that were not resolved in Judge Cox's Order.

Implementation of the Judge's Order is a huge effort. It does appear that significant progress is being made.

I also wanted to update the Board on a couple of issues from the Judge's Order:

1. While DWSD will be performing their own Purchasing function, the Order requires that certain items go through Detroit Purchasing and be approved by the Detroit City Council. The items that require City Council approval are: Personal Services contract over \$150,000, goods or commodities over \$2,000,000, Professional Services contracts over \$2,000,000, construction contracts over \$5,000,000 and sale of land and equipment that exceed \$2,500,000. For an organization like DWSD, those thresholds are pretty low. These limits and the process used to obtain approval of items that exceed these limits will be discussed further during the implementation process.
2. As expected, AFSCME has filed a motion to intervene in the case being handled by Judge Cox in order to challenge the portions of the Order that contradicted the existing union contracts. Judge Cox denied the union's motion. DWSD is continuing their implementation of these issues.
3. It appears as if the BOWC will approve the wholesale rate for the City of Detroit when they are approving the wholesale rates for the suburban customers. The retail rate for Detroit customers will be approved by the City Council. Any changes made by the City Council will then not have any effect on the suburban customer rates.

I will continue to update the Board on these issues at the monthly Board meetings.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on the DWSD Issues be received and filed."

December 6, 2011

Board of Trustees
Southeastern Oakland County Water Authority

Subject: November Water Sales

Board Members:

At the November Board meeting, we briefly discussed the decline in water sales that we have been observing for the past several years and whether that decline had ended. I have been following the water sales for the SOCWA communities for the month of November as a method of assessing our water sales. I have used November because weather should not play a factor in November sales. I have attached a graph that illustrates the water sales to the SOCWA communities since 2001. This graph shows November water sales increased by 1.0% in 2011 compared with 2010. This is the first increase after six consecutive years of declining November water sales.

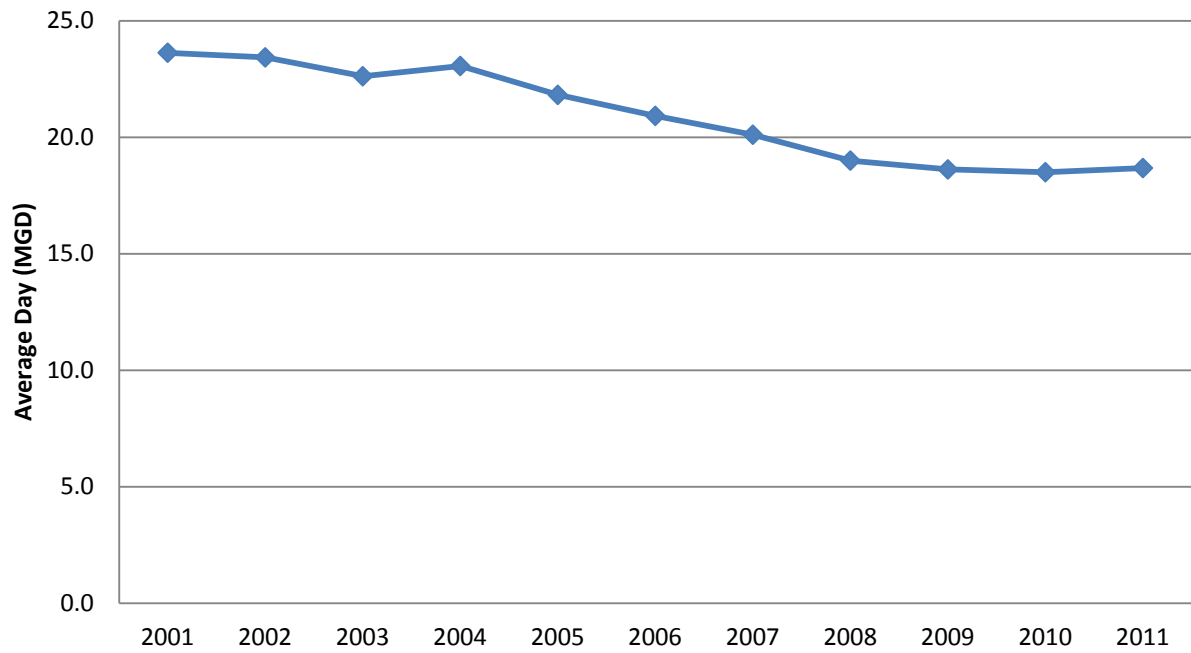
I am cautiously optimistic that our water sales have stabilized. However, it is important to note that over the 10 year period since 2001, November water sales to the SOCWA communities have declined by 20.8%. The addition of Bloomfield Hills and Bloomfield Twp. as customers has offset part of this decline. However, November 2011 water sales were 5.4% less than the sales to the SOCWA communities only in November 2001.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on November Water Sales be received and filed."

NOVEMBER WATER SALES SOCWA COMMUNITIES ONLY



December 7, 2011

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Purchase of Two Pick Up Trucks

Board Members:

SOCWA's Vehicle Replacement Schedule calls for the replacement of two pickup trucks during 2011/12. This year's construction budget includes \$40,000 for these two trucks. The trucks being replaced are a 2002 GMC pickup with 111,043 miles and a 2003 GMC pickup with 110,121 miles.

SOCWA staff has examined the trucks available through MiDeal, the Michigan cooperative purchasing program and we are recommending that we purchase two Ford F-150 pickup trucks at a price of \$16,602 through Gorno Ford, the supplier of Ford trucks to MiDeal. We also propose to use Canfield Equipment Service to install a spray in bed liner, an aluminum cross body tool box and a municipal safety lighting package for a cost of \$1,693 per truck. While these accessories are available through the manufacturer, we will save \$586 per vehicle by purchasing them from Canfield Equipment. This brings the total cost of each truck to \$18,295.

We will be obtaining trade in prices from Gorno Ford for the two trucks we are replacing. We will either trade in the existing trucks or sell them through one of the local or internet based auction services.

I am recommending that the Board approve the purchase of two F-150 pickup trucks through the MiDeal Program with accessories purchased from Canfield Equipment at a total cost of \$18,295 per vehicle.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the Board approve the purchase of two Ford F-150 pickup trucks from Gorno Ford through the MiDEAL program at a cost of \$16,602 each and that the Board approve the purchase of accessories from Canfield Equipment Service at a cost of \$1,693 per truck."

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

WATER CONSUMPTION REPORT

AVERAGE M.G. PER DAY

NOVEMBER

| <u>Purchased from Detroit</u> | <u>2008</u> | <u>2009</u> | <u>2010</u> | <u>2011</u> |
|--|--------------------|--------------------|--------------------|--------------------|
| Buchanan | 0.00 | 0.00 | 0.00 | 0.00 |
| Lamb | 0.00 | 0.00 | 0.00 | 0.00 |
| Shafter | 0.00 | 0.00 | 0.06 | 0.00 |
| 12 Mile | 7.43 | 7.27 | 7.40 | 8.69 |
| 14 Mile | 11.30 | 11.34 | 11.05 | 10.32 |
| 16 Mile (10") | 0.06 | 0.00 | 0.00 | 0.00 |
| 16 Mile (2") | 0.00 | 0.00 | 0.00 | 0.00 |
| Bloomfield Hills | 0.00 | 0.00 | 0.00 | 0.63 |
| Bloomfield Twp. | <u>0.00</u> | <u>0.62</u> | <u>0.62</u> | <u>3.04</u> |
| Total: | 18.79 | 19.23 | 19.13 | 22.68 |
| <u>Sold by Authority</u> | | | | |
| Berkley | 0.90 | 1.07 | 1.00 | 1.02 |
| Beverly Hills | 0.77 | 0.71 | 0.76 | 0.71 |
| Bingham Farms | 0.15 | 0.15 | 0.15 | 0.15 |
| Birmingham | 1.85 | 1.81 | 1.80 | 1.85 |
| Bloomfield Hills | 0.00 | 0.62 | 0.63 | 0.63 |
| Bloomfield Twp. | 0.00 | 0.00 | 0.00 | 3.04 |
| Clawson | 0.76 | 0.75 | 0.74 | 0.76 |
| Ferndale | 0.00 | 0.00 | 0.00 | 0.00 |
| Huntington Woods | 0.39 | 0.40 | 0.40 | 0.38 |
| Lathrup Village | 0.30 | 0.27 | 0.24 | 0.31 |
| Pleasant Ridge | 0.19 | 0.18 | 0.18 | 0.18 |
| Royal Oak | 4.92 | 4.65 | 4.52 | 4.63 |
| Southfield | 8.49 | 8.31 | 8.44 | 8.42 |
| Detroit (Zoo & Rackham) | <u>0.28</u> | <u>0.32</u> | <u>0.27</u> | <u>0.27</u> |
| Total: | 19.00 | 19.24 | 19.13 | 22.35 |
| Water Sales Over or Under Water Purchased | 0.21 | 0.01 | 0.00 | -0.33 |
| Per Cent | 1.12% | 0.05% | 0.00% | -1.46% |

**SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
BUDGET ANALYSIS
November-11**

| | <u>BUDGET</u> | <u>ACTUAL</u> | <u>VARIANCES</u> |
|---------------------------------|-----------------------|-----------------------|-----------------------|
| REVENUES | | | |
| <u>OPERATION</u> | | | |
| SALE OF WATER | \$930,000.00 | \$955,815.33 | \$25,815.33 |
| SALE OF WATER OTHERS | 350,000.00 | 330,414.47 | (19,585.53) |
| | <u>\$1,280,000.00</u> | <u>\$1,286,229.80</u> | <u>\$6,229.80</u> |
| <u>OTHER INCOME</u> | | | |
| RENTALS | \$6,279.00 | \$6,480.60 | \$201.60 |
| WATER ANALYSIS-LAB & MISC | 1,000.00 | 250.00 | (750.00) |
| GRANT REVENUE | 0.00 | 8,372.31 | 8,372.31 |
| INTEREST ON INVESTMENTS | 2,000.00 | 2,731.44 | 731.44 |
| | <u>\$9,279.00</u> | <u>\$17,834.35</u> | <u>\$8,555.35</u> |
| TOTAL REVENUES | <u>\$1,289,279.00</u> | <u>\$1,304,064.15</u> | <u>\$14,785.15</u> |
| <u>EXPENSES</u> | | | |
| WATER PURCHASED FOR RESALE | \$1,651,810.00 | \$1,894,168.35 | \$242,358.35 |
| POWER,PUMPING & GROUNDS WEBSTER | 42,004.36 | 52,151.44 | 10,147.08 |
| POWER,PUMPING & GROUNDS | 21,278.32 | 19,255.53 | (2,022.79) |
| COMPUTER OPERATIONS | 3,326.14 | 5,617.09 | 2,290.95 |
| PURIFICATION | 10,866.66 | 5,506.03 | (5,360.63) |
| METERS & MAINS | 15,062.50 | 26,349.98 | 11,287.48 |
| ENGINEERING | 0.00 | 0.00 | 0.00 |
| ADMINISTRATIVE & GENERAL | 84,167.00 | 58,002.87 | (26,164.13) |
| BOND INTEREST | 0.00 | 0.00 | 0.00 |
| | <u>\$1,828,514.98</u> | <u>\$2,061,051.29</u> | <u>\$232,536.31</u> |
| REVENUES OVER EXPENSES | <u>(\$539,235.98)</u> | <u>(\$756,987.14)</u> | <u>(\$217,751.16)</u> |

**SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
BUDGET ANALYSIS
JULY 1, 2010 THROUGH NOVEMBER 30, 2011**

| | <u>BUDGET</u> | <u>ACTUAL</u> | <u>VARIANCES</u> |
|---------------------------------|------------------------|------------------------|----------------------|
| REVENUES | | | |
| <u>OPERATION</u> | | | |
| SALE OF WATER MEMBERS | \$6,740,000.00 | \$6,855,934.27 | \$115,934.27 |
| SALE OF WATER OTHERS | 3,925,000.00 | 3,890,703.14 | (\$34,296.86) |
| | <u>\$10,665,000.00</u> | <u>\$10,746,637.41</u> | <u>\$81,637.41</u> |
| <u>OTHER INCOME</u> | | | |
| RENTALS | \$31,395.00 | \$36,972.38 | \$5,577.38 |
| WATER ANALYSIS-LAB & MISC | 4,000.00 | 350.00 | (3,650.00) |
| GRANT REVENUE | 8,000.00 | 8,372.31 | 372.31 |
| INTEREST ON INVESTMENTS | 10,000.00 | 12,085.24 | 2,085.24 |
| | <u>\$53,395.00</u> | <u>\$57,779.93</u> | <u>\$4,384.93</u> |
| TOTAL REVENUES | <u>\$10,718,395.00</u> | <u>\$10,804,417.34</u> | <u>\$86,022.34</u> |
| <u>EXPENSES</u> | | | |
| WATER PURCHASED FOR RESALE | \$5,687,416.00 | \$4,233,928.27 | (\$1,453,487.73) |
| WATER PURCHASE IN TRANSIT | 2,585,272.00 | 4,133,712.72 | 1,548,440.72 |
| POWER,PUMPING & GROUNDS WEBSTER | 208,657.68 | 184,913.21 | (23,744.47) |
| POWER,PUMPING & GROUNDS | 112,091.66 | 81,140.59 | (30,951.07) |
| COMPUTER OPERATIONS | 16,630.82 | 15,088.92 | (1,541.90) |
| PURIFICATION | 31,333.33 | 30,322.83 | (1,010.50) |
| METERS & MAINS | 75,312.50 | 66,136.74 | (9,175.76) |
| ADMINISTRATIVE & GENERAL | 519,585.00 | 463,895.51 | (55,689.49) |
| BOND INTEREST | 0.00 | 0.00 | 0.00 |
| | <u>\$9,236,298.99</u> | <u>\$9,209,138.79</u> | <u>(\$27,160.20)</u> |
| REVENUES OVER EXPENSES | <u>\$1,482,096.01</u> | <u>\$1,595,278.55</u> | <u>\$113,182.54</u> |

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
 Water Supplier Bacteriological Analysis Report for the Michigan Department of Environmental Quality
 System Name: S.O.C.W.A. WSSN-6150
 Oakland County, Michigan

Month: **November 2011**

of Weeks: **5**

| Community (Sample Location) | Sta. | Cl ₂ | Date: | P/A | Cl ₂ | Date: | P/A | Cl ₂ | Date: | P/A | Cl ₂ | Date: |
|--|------|-----------------|-------|------|-----------------|-------|-----|-----------------|-------|------|-----------------|-------|
| City of Berkley (WSSN #0630) | | | | | | | | | | | | |
| Einstein Bagel | BE-1 | 0.80 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 |
| Auto One | BE-2 | 0.70 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.80 |
| DPW Building | BE-3 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| Public Safety Building | BE-4 | 0.40 | A | 0.40 | A | 0.60 | A | 0.50 | A | 0.50 | A | 0.50 |
| Village of Beverly Hills (WSSN #0690) | | | | | | | | | | | | |
| Valvoline Oil Change | BH-1 | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 |
| Public Safety Building | BH-2 | 0.80 | A | 0.80 | A | 0.70 | A | 0.60 | A | 0.70 | A | 0.70 |
| Berkshire School | BH-3 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| Village of Bingham Farms (WSSN #0715) | | | | | | | | | | | | |
| Tel Bingham Offices | BF-1 | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 |
| Butzel Long Building | BF-2 | 0.70 | A | 0.70 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.70 |
| City of Birmingham (WSSN #0730) | | | | | | | | | | | | |
| D.R.S. | BI-1 | 0.80 | A | 0.70 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 |
| Adams Fire Station | BI-2 | 0.70 | A | 0.50 | A | 0.50 | A | 0.70 | A | 0.70 | A | 0.70 |
| Police Station | BI-3 | 0.30 | A | 0.40 | A | 0.50 | A | 0.50 | A | 0.40 | A | 0.40 |
| Chesterfield Fire Station | BI-4 | 0.40 | A | 0.40 | A | 0.60 | A | 0.60 | A | 0.60 | A | 0.50 |
| Derby School | BI-5 | 0.70 | A | 0.80 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.70 |
| City of Clawson (WSSN #1440) | | | | | | | | | | | | |
| Auger's Collision | CL-1 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.60 |
| Police Station | CL-2 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| DPW Building | CL-3 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| National Coney | CL-4 | 0.80 | A | 0.80 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 |
| City of Huntington Woods (WSSN #3310) | | | | | | | | | | | | |
| Community Center | HW-1 | 0.80 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| H.W. D.P.W. | HW-2 | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 |
| Rackham Golf Course | HW-3 | 0.70 | A | 0.80 | A | 0.70 | A | 0.60 | A | 0.70 | A | 0.70 |
| City of Lathrup Village (WSSN #3800) | | | | | | | | | | | | |
| \$2.89 Cleaners | LV-1 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| Hellenic Coney Island | LV-2 | 0.70 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 |
| Lathrup City Hall | LV-3 | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.80 |
| City of Pleasant Ridge (WSSN #5390) | | | | | | | | | | | | |
| D.P.W. | PR-1 | 0.70 | A | 0.70 | A | 0.60 | A | 0.70 | A | 0.70 | A | 0.70 |
| Sunoco Station | PR-2 | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 |
| Community Center | PR-3 | 0.80 | A | 0.70 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.70 |

Cl₂ (Chlorine measured in mg/L)

P/A (Presence/Absence 100 mL/sample)

SOCWA - Page 1

| Community (Sample Location) | Sta. | Date: | Cl ₂ | Date: | Cl ₂ | Date: | Cl ₂ | Date: | Cl ₂ | Date: | Cl ₂ | Date: | Cl ₂ |
|---|-------------------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|-------|-----------------|
| | | 11/02/11 | P/A | 11/09/11 | P/A | 11/16/11 | P/A | 11/23/11 | P/A | 11/30/11 | | | |
| City of Royal Oak (WSSN #5830) | | | | | | | | | | | | | |
| Tim Horton's | 2414 11 Mile Rd. | RO-1 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A |
| Fire Station 6 th & Troy | 216 6 th St. | RO-2 | A | 0.70 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A |
| McPeeks Citgo | 1702 Crooks Rd. | RO-3 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A |
| Fire Station Wood/13 | 31000 Woodward Ave. | RO-4 | A | 0.30 | A | 0.40 | A | 0.40 | A | 0.40 | A | 0.40 | A |
| Spanga's Coney Island | 32867 Woodward Ave. | RO-5 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 | A |
| Brakes & More | 2400 14 Mile Rd. | RO-6 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| McDonald's | 3300 Rochester Rd. | RO-7 | A | 0.80 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A |
| Howie Glass | 940 Campbell Rd. | RO-8 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.80 | A |
| City of Southfield (WSSN #6160) | | | | | | | | | | | | | |
| Dunkin Donuts | 22111 Greenfield Rd. | SO-1 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 | A |
| Top Value | 21990 8Mile Rd. | SO-2 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| JAX Car Wash | 27000 8 Mile Rd. | SO-3 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| Midas Muffler | 24945 Telegraph Rd. | SO-4 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.80 | A |
| Kirby's Coney Island | 25050 Northwestern Hwy. | SO-5 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| Dunkin Donuts | 29285 Southfield Rd. | SO-6 | A | 0.80 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.80 | A |
| Midas Muffler | 26969 Greenfield Rd. | SO-7 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 | A | 0.70 | A |
| OCRC Garage | 27900 Clara Ln. | SO-8 | A | 0.70 | A | 0.80 | A | 0.80 | A | 0.80 | A | 0.70 | A |
| JAX Car Wash | 28845 Telegraph Rd. | SO-9 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| SOCWA Entry Points (WSSN #6150) | | | | | | | | | | | | | |
| Livemore Pump Station | 224 Livemore Rd. | WA-1 | A | 0.20 | A | 0.20 | A | 0.20 | A | 0.20 | A | 0.20 | A |
| Lamb Pump Station | 21101 Greenfield Rd. | WA-2 | A | 0.20 | A | 0.20 | A | 0.20 | A | 0.20 | A | 0.20 | A |
| Webster Pump Station | 3910 W. Webster Rd. | WA-3 | A | 0.50 | A | 0.60 | A | 0.70 | A | 0.70 | A | 0.50 | A |
| **from Webster 10 MG | 3910 W. Webster Rd. | WA-4 | A | OOS | A | OOS | A | 0.70 | A | 0.50 | A | 0.50 | A |
| **from Webster 7.5 MG | 3910 W. Webster Rd. | WA-5 | A | OOS | A | OOS | A | 0.70 | A | 0.50 | A | 0.50 | A |
| Gare Pump Station | 24570 W. 12 Mile Rd. | WA-6 | A | 0.80 | A | 0.70 | A | 0.70 | A | 0.80 | A | 0.80 | A |
| **from Gare 4.5 MG | 24570 W. 12 Mile Rd. | WA-7 | A | 0.50 | A | 0.50 | A | 0.70 | A | 0.70 | A | 0.70 | A |
| 14 Mile Pump Station | 16111 W. 14 Mile Rd. | WA-8 | A | 1.00 | A | 1.00 | A | 0.80 | A | 0.80 | A | 1.00 | A |
| **from 14 Mile 5.0 MG | 16111 W. 14 Mile Rd. | WA-9 | A | 1.00 | A | 0.80 | A | 0.70 | A | 0.80 | A | 0.70 | A |
| Samoset Elevated Tank | 2721 Samoset Rd. | WA-10 | A | 1.00 | A | 1.00 | A | 0.80 | A | 1.00 | A | 1.00 | A |
| Oliver Pump Station | 2443 Oliver Rd. | WA-11 | A | 1.00 | A | 1.00 | A | 1.00 | A | 1.00 | A | 1.00 | A |
| Buchanan Pump Station | 24250 W. 8 Mile Rd. | WA-12 | A | 0.30 | A | 0.30 | A | 0.40 | A | 0.40 | A | 0.30 | A |
| **from Buchanan 2.5 MG | 24250 W. 8 Mile Rd. | WA-13 | A | OOS | A | OOS | A | OOS | A | OOS | A | OOS | A |
| Metered Connections | | | | | | | | | | | | | |
| Detroit Zoo | 8450 W. Ten Mile Rd. | MC-1 | A | 0.70 | A | 0.80 | A | 0.60 | A | 0.60 | A | 0.70 | A |
| Beaumont Hospital | 1301 13 Mile Rd. | MC-2 | A | 0.70 | A | 0.70 | A | 0.80 | A | 0.70 | A | 0.70 | A |
| Total: Routine Municipal Samples | | | | 56 | | 56 | | 58 | | 58 | | 58 | |
| Total: Water Main Construction & Misc. | | | | 0 | | 1 | | 0 | | 0 | | 0 | |
| Total: Samples for Month: | | 287 | | 56 | | 57 | | 58 | | 58 | | 58 | |

Method of Analysis: Analyzed per "STANDARD METHODS-for the Examination of Water and Wastewater"
Part No. 9223 B. Enzyme Substrate Test.

Examined by: Laurence Westmore

Date:

| SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| PRECIPITATION - INCHES (WEBSTER PUMPING STATION) | | | | | | | | | | | | | |
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
| 1980 | 0.78 | 1.16 | 3.60 | 4.03 | 3.53 | 4.27 | 1.45 | 5.96 | 4.75 | 1.40 | 0.85 | 2.43 | 34.21 |
| 1981 | 0.47 | 3.20 | 0.62 | 3.85 | 2.35 | 1.78 | 3.85 | 1.85 | 7.70 | 4.05 | 0.95 | 2.20 | 32.87 |
| 1982 | 3.06 | 0.99 | 7.87 | 1.53 | 2.61 | 3.50 | 2.68 | 1.09 | 2.52 | 0.56 | 5.48 | 3.09 | 34.98 |
| 1983 | 0.98 | 1.49 | 1.92 | 3.98 | 4.85 | 5.10 | 4.08 | 1.62 | 1.63 | 2.57 | 3.93 | 3.16 | 35.31 |
| 1984 | 2.67 | 1.26 | 3.82 | 1.91 | 4.11 | 0.95 | 2.06 | 4.26 | 3.04 | 1.91 | 2.88 | 3.14 | 32.01 |
| 1985 | 3.90 | 3.70 | 4.60 | 0.95 | 3.66 | 1.68 | 4.37 | 4.02 | 1.45 | 3.30 | 5.10 | 1.13 | 37.86 |
| 1986 | 1.68 | 2.73 | 1.74 | 1.91 | 2.10 | 4.62 | 2.79 | 3.10 | 5.48 | 2.48 | 0.95 | 1.95 | 31.53 |
| 1987 | 1.55 | 0.58 | 1.90 | 2.03 | 1.61 | 3.18 | 4.30 | 5.31 | 2.30 | 2.00 | 2.80 | 2.80 | 30.36 |
| 1988 | 0.60 | 1.53 | 0.40 | 1.40 | 1.00 | 0.55 | 2.80 | 2.05 | 3.25 | 3.43 | 2.61 | 0.80 | 20.42 |
| 1989 | 0.71 | 0.35 | 1.30 | 1.25 | 2.22 | 3.85 | 2.15 | 1.39 | 5.53 | 1.45 | 2.80 | 0.50 | 23.50 |
| 1990 | 1.52 | 4.18 | 1.40 | 1.95 | 3.00 | 2.25 | 2.03 | 4.30 | 3.90 | 3.70 | 2.35 | 3.40 | 33.98 |
| 1991 | 0.90 | 0.45 | 1.37 | 1.65 | 5.46 | 1.79 | 1.92 | 3.36 | 0.72 | 3.64 | 2.65 | 2.05 | 25.96 |
| 1992 | 1.35 | 1.24 | 2.98 | 2.75 | 0.85 | 2.05 | 6.40 | 2.30 | 3.10 | 1.95 | 4.20 | 1.80 | 30.97 |
| 1993 | 3.64 | 0.82 | 1.15 | 2.80 | 1.20 | 4.91 | 2.05 | 2.85 | 5.85 | 1.75 | 1.50 | 0.45 | 28.97 |
| 1994 | 2.15 | 0.55 | 2.20 | 2.70 | 0.70 | 5.21 | 1.30 | 2.77 | 1.20 | 2.33 | 3.02 | 2.20 | 26.33 |
| 1995 | 1.32 | 0.85 | 1.15 | 2.05 | 2.80 | 2.25 | 4.45 | 4.15 | 1.00 | 3.25 | 3.05 | 0.95 | 27.27 |
| 1996 | 1.45 | 1.30 | 1.00 | 3.75 | 3.30 | 4.20 | 1.85 | 0.40 | 4.45 | 2.20 | 2.15 | 1.30 | 27.35 |
| 1997 | 1.45 | 2.75 | 3.15 | 0.85 | 4.55 | 1.55 | 2.20 | 1.90 | 3.45 | 2.15 | 0.50 | 1.30 | 25.80 |
| 1998 | 2.80 | 2.85 | 4.60 | 2.86 | 1.65 | 1.75 | 2.80 | 6.85 | 1.00 | 2.05 | 1.00 | 1.45 | 31.66 |
| 1999 | 3.75 | 1.30 | 0.55 | 3.85 | 2.80 | 4.55 | 2.65 | 1.40 | 2.60 | 0.60 | 1.45 | 2.70 | 28.20 |
| 2000 | 1.30 | 0.50 | 1.05 | 3.20 | 4.25 | 5.00 | 4.10 | 2.55 | 4.35 | 2.00 | 1.05 | 2.70 | 32.05 |
| 2001 | 0.12 | 2.70 | 0.30 | 2.98 | 4.50 | 2.30 | 2.10 | 1.65 | 4.00 | 6.65 | 1.70 | 1.55 | 30.55 |
| 2002 | 1.55 | 1.45 | 1.10 | 0.65 | 1.90 | 1.05 | 4.35 | 0.70 | 2.85 | 0.96 | 2.00 | 0.90 | 19.46 |
| 2003 | 0.25 | 0.20 | 1.25 | 2.05 | 4.70 | 4.65 | 0.50 | 2.40 | 3.20 | 2.10 | 3.60 | 2.30 | 27.20 |
| 2004 | 2.60 | 0.40 | 2.40 | 0.05 | 6.80 | 2.30 | 2.70 | 3.70 | 0.80 | 1.65 | 2.45 | 3.00 | 28.85 |
| 2005 | 2.50 | 3.10 | 0.55 | 1.70 | 0.70 | 1.50 | 3.20 | 0.65 | 2.95 | 0.30 | 3.95 | 1.60 | 22.70 |
| 2006 | 2.50 | 0.95 | 2.95 | 2.05 | 5.20 | 3.30 | 1.60 | 1.90 | 2.56 | 2.90 | 3.00 | 3.40 | 32.31 |
| 2007 | 3.30 | 0.65 | 4.90 | 2.25 | 2.60 | 2.75 | 1.00 | 4.55 | 1.20 | 2.35 | 1.90 | 4.75 | 32.20 |
| 2008 | 2.40 | 3.90 | 1.90 | 0.40 | 1.95 | 3.85 | 3.05 | 0.27 | 6.55 | 1.80 | 3.15 | 4.05 | 33.27 |
| 2009 | 2.85 | 1.95 | 6.31 | 6.85 | 3.35 | 3.20 | 1.55 | 4.00 | 1.56 | 2.85 | 0.20 | 2.80 | 37.47 |
| 2010 | 0.80 | 1.65 | 0.67 | 1.80 | 4.30 | 3.40 | 4.95 | 0.25 | 2.70 | 2.20 | 4.30 | 0.70 | 27.72 |
| AVG. | 1.87 | 1.64 | 2.20 | 2.34 | 3.01 | 3.00 | 2.74 | 2.78 | 3.16 | 2.34 | 2.44 | 2.20 | 29.72 |
| 2011 | 2.20 | 5.75 | 3.20 | 5.20 | 5.40 | 2.40 | 3.40 | 3.30 | 7.80 | 3.20 | 5.60 | | |