Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

MARK W. (MARCUS) CHEATHAM
Health Officer

JENNIFER MORSE, MD, MPH, FAAFP
Medical Director

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Gratiot Office
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BOARD OF HEALTH
George Bailey
Bruce DeLong
Betty Kellenberger
Tom Lindeman
Sam Smith
Dwight Washington, Ph.D

BOARD OF HEALTH
ORGANIZATIONAL MEETING
At
Mid-Michigan District Health Department
Montcalm County Office, Conference Room A
Stanton, Michigan

Wednesday, January 23, 2019
9:00 a.m.

AGENDA

We take action to protect, maintain, and improve the health of our community.

Pledge of Allegiance

No Finance Committee Meeting; topics considered at the Organizational Meeting.

A. AGENDA NOTES, REVIEW, AND REVISIONS:

1.

Note: Traditionally, the Board of Health (BOH) has directed the Health Officer to open the Organizational Meeting. Once election of a Chairperson is complete, the meeting is turned over to the Chairperson.

B. ELECTION OF OFFICERS FOR 2019:

1. Chairperson

2. Vice Chairperson

C. APPOINTMENTS TO THE BOH FOR 2019:

1. Appointment of BOH Secretary

   Note: Traditionally, the position of Executive Administrative Assistant is appointed to serve as the Board Secretary and designated to post public notices for the Board.

2. Proposed Appointment of BOH Standing Committees, Chairpersons, and Membership Assignments for 2019 – **Included.**

   a. Finance Committee

   b. Personnel Committee

c. Program Committee

3. Appointments of BOH Representatives to External Organizations and Committees, Assignments for 2019

a. Mid-Central Coordinating Committee

b. Michigan Association for Local Public Health (MALPH)

4. Appointment of BOH Representatives to Internal Committees for 2019

a. Quality Vision Action Team (QVAT)

b. Rebranding/Marketing Committee

D. CONSENT ITEMS:

1. Meeting Minutes

a. Michigan Association for Local Public Health (MALPH) Board of Directors Meeting held December 10, 2018 – **Included.**

b. Mid-Michigan District BOH Regular Meeting held December 19, 2018 – **Included.**

c.

2. Communications

a. Email message dated January 3, 2019 to Marcus Cheatham from Bob Clingenpeel, Montcalm County Controller/Administrator, regarding appointments to the BOH for 2019 – **Included.**

b. Email message dated January 4, 2019 to Cindy Partlo from Penny Goerge, Executive Secretary, Clinton County regarding appointments to the BOH for 2019 – **Included.**

c. Letter dated January 15, 2019 to MMDHD from Angie Thompson, Gratiot County Clerk regarding Gratiot County BOH appointment of Chuck Murphy for 2019-20 – **Included.**

d. Letter dated January 16, 2019 to Mid-Michigan District Board of Health and Staff from Tom Lindeman regarding gratitude for recognition of years of service on the Board of Health and gift card – **Included.**

e.

E. PUBLIC COMMENTS:

F. BRANCH OFFICE EMPLOYEES:

G. COMMITTEE REPORTS:

1. Finance Committee

a. MMDHD's Expenses for December 8, 2018 through January 18, 2019 – **Included.**

b. MMDHD's Monthly Balance Sheets, Revenue and Expenditure Reports for October, November, and December 2018 – **Included.**

c. BOH Per Diem Compensation and Travel Reimbursement – **Included.**

d.

2. Personnel Committee

a.

3. Program Committee

a.

4. Mid-Central Coordinating Committee

a.

H. MEDICAL DIRECTOR'S REPORT: Jennifer E. Morse, M.D., MPH, FAAFP – **Included.**

1. Wood Smoke and Health

2. Michigan Tick Identification Summary and Tick Testing Kit Orders

3. Influenza Update

4.

I. HEALTH OFFICER'S REPORT: Mark W. (Marcus) Cheatham, Ph.D.

1. Quarterly Service Report, First Quarter FY 18/19 (October 1, 2018 through December 31, 2018) – **Included.**

2. National Association of County and City Health Officials (NACCHO) 2019 Annual Conference, *Improving the Nation's Health Through Public and Private Partnerships,* July 9-11, 2019, Orlando, Florida, http://www.nacchoannual.org/ – **Included.**

3. Revised Local Public Health Accreditation Schedule – **Included.**

4. Grant Update – **Handout.**

5. Update on the Government Shutdown

6. Public Health Funding Formula

7.

J. OLD BUSINESS:

1. Approach to Septic System Issues – **Included.**

2. Hepatitis A Outbreak Funding Continuation

3.

K. NEW BUSINESS:

1. Adoption of Proposed 2019 BOH Finance Committee and Regular Meeting Schedule – **Included.**

2. Parks and Greenspace Health Committee, *Dwight Washington*

3. Emerging Issues

   a.

L. LEGISLATIVE ACTION:

1.

M. INFORMATIONAL ITEMS:

1. Mid-Michigan District BOH Action Items, December 2018
2. Staffing Report

N. RELATED NEWS ARTICLES AND LINKS: – **https://www.mmdhd.org/2019-board-of-health-2/**

1. STATE TO SEVILLE: Septic Systems Unlawfully Discharging into Pine River, *Gratiot County Herald,* December 19, 2018
2. Montcalm County Board Oks Electronic Recycling Hike, *Daily News,* December 21, 2018
3. Contractor Expected To Produce Savings At Velsicol Site, *Morning Sun,* December 26, 2018
4. Keon Elected To Task Force Hall Of Fame, *Morning Sun,* December 26, 2018
5. Landfill Tests Positive For PFAS, *Gratiot County Herald,* December 27, 2018
6. Pine River Task Force Celebrates 20 Years, *Morning Sun,* December 27, 2018
7. Septic System Regulations Challenge Officials, *Gratiot County Herald,* December 27, 2018
8. Seville Township Alerted To Failing Septic Systems In Riverdale Area, *Gratiot County Herald,* December 27, 2018
9. Sharps Disposal Program, *Montcalm County Senior News,* January 2019
10. Protecting Our Fresh Water While Preserving Private Property Rights, *Gratiot County Herald,* January 2, 2019
11. Health Department Stars, *Daily News,* January 5, 2019
12. Healthy Pine River Group To Release Study Results, *Morning Sun,* January 8, 2019
13. State Health Officials Warn Of Increasing Norovirus Activity, *Morning Sun,* January 8, 2019
14. MDEQ To Require Ithaca To Cleanup Former Landfill, *Morning Sun,* January 11, 2019
15.

O. AGENCY NEWSLETTERS:

1.

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Board of Health (BOH) Synopsis of Actions Needed

Item A. 1.	AGENDA NOTES, REVIEW, AND REVISIONS
Motion to approve the Agenda as amended.	
Item B. 1.	ELECTION OF OFFICERS FOR 2019; CHAIRPERSON
Motion to nominate _____ as Chairperson. Motion to close the nominations and cast a unanimous ballot for _____ as Chairperson.	
Item B. 2.	ELECTION OF OFFICERS FOR 2019; VICE CHAIRPERSON
Motion to nominate _____ as Vice Chairperson. Motion to close the nominations and cast a unanimous ballot for _____ as Vice Chairperson.	
Item C. 1.	APPOINTMENT OF BOH SECRETARY
Motion to appoint the position of Executive Administrative Assistant as BOH Secretary, currently held by Cindy Partlo, and designate that position carry out the posting of public notices for the BOH.	
Item C. 2. a. through c.	APPOINTMENTS TO STANDING COMMITTEES; EXTERNAL AND INTERNAL ASSIGNMENTS FOR 2019
Motion to accept the standing committee and external appointments for 2019.	
Item D. 1. & 2.	CONSENT ITEMS (MEETING MINUTES & COMMUNICATIONS)
Motion to accept Meeting Minutes D. 1. a. and b. and place on file. Motion to accept Communications D. 2. a. through d. and place on file.	
Item G. 1. a.	EXPENSES FOR DECEMBER 8, 2018 THROUGH JANUARY 18, 2019
Motion to approve payment of the Mid-Michigan District Health Department's Expenses for December 8, 2018 through January 18, 2019, totaling $643,406.61.	
Item E. 1. b.	BALANCE SHEETS, REVENUE AND EXPENDITURE REPORTS-OCTOBER THROUGH DECEMBER 2018
Motion to approve and place the Balance Sheet, Revenue and Expenditure Report for the first quarter ending December 2018 on file.	

Item F. 1.	MEDICAL DIRECTOR'S REPORT, WOOD SMOKE AND HEALTH
Motion to adopt the BOH Monthly Healthy Living Recommendation for February as proposed. Motion to accept and place the Medical Director's Report on file.	
Item J. 1.	APPROACH TO SEPTIC SYSTEM ISSUES
Motion to create a water program within the Environmental Health Division and approve the hiring of an Environmental Health Specialist in FY 19/20 to manage the program; recommending to the County Boards of Commissioners to increase the health department's appropriations as proposed to fund it.	
Item K. 1.	ADOPTION OF PROPOSED 2019 BOH FINANCE COMMITTEE AND REGULAR MEETING SCHEDULE
Motion to approve the 2019 BOH Finance and Regular Meeting Schedule as proposed.	

Overview of Board of Health Committees

STANDING COMMITTEES:

FINANCE COMMITTEE – Members are responsible for developing and presenting the proposed annual budget for Board approval. Meets monthly, the same day as Board of Health (BOH), preceding the Board meeting.

PERSONNEL COMMITTEE – Members are responsible for union contract negotiations and presenting recommended salary and benefit changes to the Board. Also addresses other personnel issues as they may arise. Mainly meets during the negotiation process.

PROGRAM COMMITTEE – Members are responsible for developing and presenting all proposed policies and program changes. Meets infrequently as necessary.

EXTERNAL COMMITTEES:

MID-CENTRAL COORDINATING COMMITTEE – The overall purpose of the committee is to discuss and recommend to the Mid-Michigan and Central Michigan District Boards of Health the sharing of resources and to review other areas, such as legislative issues which may impact both agencies. There have been several occasions in the past, when a legislative issue was discussed at a committee meeting that has led to correspondence to legislators on behalf of the nine counties. The committee reviews and recommends the contracts for the sharing of staff. Typically, the committee meets once or twice per year.

MICHIGAN ASSOCIATION FOR LOCAL PUBLIC HEALTH (MALPH) – The legislative and policy advocate for Michigan's local public health jurisdictions and the recognized liaison between Michigan local health departments and jurisdictions, Michigan Legislature, the Michigan Department of Community Health, the Michigan Department of Environmental Quality, the Michigan Department of Agriculture, and other state departments and organizations. A policy incubator for public health initiatives; meets on the second Monday of every month in Lansing. Two appointments are made – a primary (typically the Health Officer) and alternate (Board of Health representative).

INTERNAL COMMITTEES:

QUALITY VISION ACTION TEAM (QVAT) – Members champion the organizational strategic planning process and monitor the Strategic Plan. This committee meets quarterly. The BOH representative serves as a liaison.

Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

2019 PROPOSED BOARD OF HEALTH AND APPOINTMENTS

CLINTON	GRATIOT	MONTCALM
Bruce Delong 900 N. Oakland St. St. Johns, MI 48879 (989) 640-3070 Email: migsigns@frontier.com	George Bailey **(Chairperson)** 6240 Leeward Ct. Ithaca, MI 48847 (989) 875-2829 Email: gbaileyppnd@yahoo.com	Betty Kellenberger **(Vice Chairperson)** 520 Pine St. Carson City, MI 48811 (989) 584-3484 Email: bkellenberger@montcalm.us
Dwight Washington, Ph.D. 4600 Clark Rd. Bath, MI 48808 (517) 974-1658 Email: washindwi@gmail.com	Chuck Murphy 823 Pine Ave. Alma, MI 48801 (989) 620-0122 cmurphy@gratiotmi.com	Adam Petersen 4471 S. Greenville Rd. Greenville, MI 48838 (616) 835-3438 Email: apetersen@montcalm.us

Standing Committees:

FINANCE
1. Bruce DeLong **(Chair)**
2. George Bailey
3. Adam Petersen

PERSONNEL
1. Betty Kellenberger **(Chair)**
2. Chuck Murphy
3. Dwight Washington

PROGRAM
1. Dwight Washington **(Chair)**
2. Chuck Murphy
3. Adam Petersen

External Organizations and Associations:

MID-CENTRAL COORDINATING COMMITTEE

1. Chuck Murphy
2. Adam Petersen
3. Dwight Washington

MICHIGAN ASSOCIATION OF LOCAL PUBLIC HEALTH REPRESENTATIVE (MALPH)

1. Mark W. (Marcus) Cheatham – Primary
2. Dwight Washington – Alternate

Internal Committees:

1. Quality Vision Action Team (QVAT) – Betty Kellenberger
2. Rebranding/Marketing Committee – Betty Kellenberger

PROPOSED

MICHIGAN ASSOCIATION FOR LOCAL PUBLIC HEALTH
(MALPH)
Board of Directors
Meeting Minutes
December 10, 2018

I. Call to Order

The meeting was called to order at 9:01am by Steve Hall, President.

II. Roll Call

A quorum was present.

Jurisdictions Represented: Allegan [Angelique Joynes], Barry-Eaton [Colette Scrimger], Bay [Joel Strasz], Benzie-Leelanau [Lisa Peacock], Berrien [Nicole Britten], Branch-Hillsdale-St. Joseph [Rebecca Burns], Calhoun [Eric Pessell], Central Michigan [Steve Hall], Chippewa [Karen Senkus], Delta-Menominee [Mike Snyder], [Joneigh Khaldun], Dickinson-Iron [Daren Deyaert], District 2 [Denise Bryan], District 10 [Kevin Hughes], District 4 [Denise Bryan], Grand Traverse [Wendy Hirschenberger], Huron [Ann Hepfer], Ingham [Linda Vail], Ionia [Ken Bowen], Jackson [Richard Thoune], Kalamazoo [Jim Rutherford], Kent [Adam London], Lapeer [Kathy Haskins], Lenawee [Deidre Reed], Livingston [Dianne McCormick], Luce-Mackinaw-Alger-Schoolcraft [Nick Derusha], Macomb [Bill Ridella], Marquette [Jerry Messana], Midland [Fred Yanoski], Mid-Michigan [Marcus Cheatham, Dwight Washington], Monroe [Kim Comerzan], Muskegon [Kathy Moore], Northwest Michigan [Lisa Peacock], Oakland [Leigh-Anne Stafford], Ottawa [Lisa Stefanovsky], Tuscola [Ann Hepfer], Washtenaw [Ellen Rabinowitz], Wayne [Carol Austerberry], Western UP [Kate Beer].

Others Present:

Administrative Officers Forum, [Jamie Dean], Health Education and Promotion Forum, [Tracey Wood], Environmental Health Forum, [Kristen Schweighoefer], Nurse Administrators Forum, [Jane Nickert], Physician's Forum, [Jen Morse], MDEQ [Jeremy Hoeh, Ian Smith], MDHHS, [Akia Burnett, Steve Crider, Laura de la Rambelje, Mary MacQueen, Farid Shamo, Orlando Todd], MDLARA [Larry Horvath], PAA, [Becky Bechler, Ed Dore],

Staff: Meghan Swain, Jodie Shaver

III. Approve Agenda

Motion by M. Cheatham, support by L.A. Stafford to approve the agenda. Motion carried.

IV. Approve Meeting Minutes

Motion by D. Washington, support by L. A. Stafford to approve the November 5, 2018 minutes. Motion carried.

V. Reports of Officers/Staff/Forums

President

S. Hall reported that he continues to monitor the activity of HB 5752 and HB 5753. He thanked members for their swift response including voting but also discussion. He thanked E. Pessell for forwarding documents accordingly. He stated that the executive committee met with state partners and there is not a lot going on due to the election and changing leadership. He reported that Dr. Eden Wells will take a position within MDHHS in the environmental health division after January 1, 2019. There was discussion with MDEQ regarding the communication process with locals. They are working on establishing standards/guidance, including toolkit to be available in January. He reported that the work of the Public Health Advisory Council continues, and there is a lot of work to be done prior to the February deadline of offering funding options. He stated that they went through the eight mandated services and what factors are needed to establish a new funding formula. One consideration is also one-line item of money, similar to a block grant, to allow for greater flexibility in program spending. Once the method is known, then discussion on the math can be had. A question considered is whether the state pays first, then the county, or does the county pay first, then the state.

Secretary/Treasurer

N. Derusha reported that we are still spending down the Sustaining Immunization Action dollars. And, membership dues are being paid. He also noted that the budget presented includes a new line item (SIA Expenditures) which reflect the approved spending of the remaining grant dollars. The executive committee will review this budget and bring back to the January meeting for full board approval.

Executive Director

M. Swain reported that she is awaiting word on the *County Health Rankings* grant in order to host a CHR event, in conjunction with Public Health Week (Hometown Heroes awards) and MALPH's annual Day at the Capitol. She also reported that she participated in a conference call with many other health stakeholders to discuss public health with Governor-elect Whitmer's transition team. She individually met with members of the team to discuss public health including the Public Health Code authority/powers/duties. She stated that we would like to see the work of MPART and PHAC transition through to the next administration. She reported that interviews are underway for state department director positions. M. Swain reported that HBs 5752 and 5753 are expected to have another committee hearing and most likely passed out of committee. There was a CJS training in Grand Rapids that was well-received. As each training occurs, we are getting greater participation. Finally, she reported that Mary Kushion completed NACCHO's Model Practices to include our work on the Sustaining Immunization Action grant.

Lobbyist
B. Bechler and E. Dore reported that lame duck legislative session will be aggressive. The governor's priorities include increasing "tipping fees" at state landfills. There is approximately $680M in supplemental funding to encourage votes. There are several pieces of legislation that are designed to take authority away from the new governor, secretary of state, and attorney general. It is unclear if Governor Snyder will sign them. B. Bechler reported that she is monitoring the Personal Property Tax (local units of government) that may have dollars for local health departments. She is supporting those efforts on MALPH's behalf. The transition team is meeting with candidates for department posts. Look for announcements to begin after lame duck.

Forum Reports
Health Education and Promotion: T. Wood reported that the forum has moved to a bi-monthly schedule and did not meet last month.

Public Health Nursing: J. Nickert reported that they are working on perinatal and Maternal and Infant Health Plan issues including the forms and reimbursement rates. They are also looking at recruitment and retention of public health nurses, reviewing succession plans. The state's Chief Nurse Executive, Deborah Bach-Stante, has been discussing clinical placement in five focus areas, which will assist with recruitment.

Environmental Health: K. Schweighoefer reported that MALEHA has been discussing HB 5752 and HB 5753 in meetings and through the listserv. The Food Code/Food Law meeting with MDARD will be Friday, December 14, 2018. They have also been discussing the impact of recreational marijuana on local units of government. In addition, addressing PFAS issues has been discussed.

Public Health Finance and Administration: J. Dean reported that they are working on issues with Maternal Infant Health Plan, including information technology issues. They are also reviewing criminal background check policies and amendment schedules in eGrams.

Public Health Physicians: J. Morse reported that they completed and filed a resolution regarding the proposed "public charge" for immigration. They will be meeting with MDHHS to continue discussing recruitment and retention of medical directors.

Management Information Systems: No report given at this time.

VI. Reports from State Departments

Department of Agriculture and Rural Development (MDARD)
No report at this time.

Department of Environmental Quality (MDEQ)
J. Hoeh reported that they are engaged with HBs 5752 and 5753 (statewide sewage/sanitary code). He reported that the Michigan Environmental Council still has concerns with the legislation, feeling it does not go far enough. There is a conference call with DEQ legislative liaison, Rep. Lower's office, and Governor Snyder's office to discuss.

Department of Health and Human Services (MDHHS)
O. Todd reported that they are still monitoring the Hep A outbreak. There is a request for supplemental funds to include an additional $7.1M. They are also looking for additional dollars to address PFAS. He reported that the legislature wants to see sound fiscal stewardship with the dollars. There is a concern about charging fringe and benefits for the work being performed. Cross Jurisdictional Sharing reports are due December 14. He also reported that he will be meeting with the medical directors.

I. Smith reported that they are testing child care and Head Start locations for PFAS. They will follow the same process as schools. There are more sampling guidance documents posted on the PFAS response website.

M. MacQueen reported that the Community Health Emergency Coordination Center (CHECC) is still activated for the Hep A outbreak. Ebola is seeing an increase in Africa and moving to more populated areas. She reminded everyone to pull out their preparedness plans and make adjustments accordingly.

F. Shamo and A. Burnett from the tobacco program would like to survey local health departments about prevention and control. The tobacco section is planning to issue an RFP for local health departments for FY20. The survey will be five questions asking challenges/barriers, scenarios, and concerns within counties/districts.

Department of Licensing and Regulatory Affairs (DLARA)
L. Horvath reported that they are going through transition with top leadership. They are meeting with MEHA next week. He would like to continue attending MALPH board meetings. Once the new administration takes over, perhaps, adding LARA to our quarterly leadership meetings would be appropriate.

VII. Public Comment / Announcements

M. Swain asked about presentations at MALPH board meetings. Without such presentations, there appears to be a lot of time on the agenda. Not necessarily related to board meetings, the following was suggested: continue to put executive committee minutes in the board packet, state leadership meetings should have more substance, and listserv discussions could be added to the agenda for better monitoring of topic areas on the listserv, including forums.

VIII. Adjournment

The meeting adjourned at 11:30am.

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BOARD OF HEALTH
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BOARD OF HEALTH
REGULAR MEETING
at
Mid-Michigan District Health Department
Gratiot Office
Ithaca, Michigan

Conference Room A

Wednesday, December 19, 2018**,** 10:00 a.m.

MINUTES

We take action to protect, maintain, and improve the health of our community.

Members Present: Tom Lindeman (Vice Chairperson), Bruce DeLong (Chairperson), George Bailey, Sam Smith *(arrived at 10:19 a.m.)*, and Betty Kellenberger

Members Absent: Dwight Washington

Staff Present: Mark W. (Marcus) Cheatham, Ph.D., Health Officer; Melissa Bowerman, Director of Administrative Services; Andrea Tabor, Director of Community Health and Education; Liz Braddock, Director of Environmental Health; and Cynthia M. Partlo, Board Secretary

Staff Absent: Jennifer E. Morse, M.D., MPH, FAAFP, Medical Director

Guests: Barb Lindeman; Hailey Brewer, Emergency Preparedness Coordinator; Rosemary Horvath, Reporter, Gratiot County Herald*;* Patricia Gillis *(arrived at 11:14 am.)*; Ken Mitchell *(arrived at 11:16 a.m.)*

B. DeLong, Chairperson called the Regular Meeting of the Mid-Michigan District Board of Health (BOH) to order at 10:02 a.m., on Wednesday, December 19, 2018, at the Gratiot Office of the Mid-Michigan District Health Department (MMDHD), Ithaca, Michigan.

Pledge of Allegiance was led by B. DeLong.

A. AGENDA NOTES, REVIEW, AND REVISIONS:

B. DeLong requested to add Resolution Discussion to the Agenda as item I. 1. a. and T. Lindeman requested that the Septic Ordinance be added as H. 1. b.

DRAFT

Motion made by B. Kellenberger and seconded by G. Bailey to approve the Agenda as amended. Motion carried.

A. CONSENT ITEMS:

1. Meeting Minutes

a. Michigan Association for Local Public Health (MALPH) Board of Directors Meeting held November 5, 2018

b. Mid-Michigan District Board of Health Regular Meeting held November 28, 2018

Motion made by G. Bailey to accept and place on file Meeting Minutes B. 1. a. and b. Motion seconded by B. Kellenberger. Motion carried.

2. Communications – None

C. PUBLIC COMMENTS: None

D. BRANCH OFFICE EMPLOYEES: M. Cheatham introduced Hailey Brewer, Emergency Preparedness Coordinator who was attending the BOH meeting to present an update regarding the agency's Hepatitis A outbreak response.

E. COMMITTEE REPORTS:

1. Finance Committee – Tom Lindeman, Chair

a. Mid-Michigan District Health Department's Expenses for November 10 through December 7, 2018

Motion made by T. Lindeman to approve payment of the Mid-Michigan District Health Department's Expenses for November 10 through December 7, 2018, totaling $444,312.22. Motion seconded by B. Kellenberger. Motion carried.

b. MMDHD's Monthly Balance Sheet, Revenue and Expenditure Reports for September, October and November 2018

M. Bowerman said that the agency ended FY 17/18 with a surplus of $100,825.06 and mentioned that as previously discussed, some of that surplus could be used for rebranding expenses. She requested that the surplus be placed in unrestricted fund balance. She said that October and November were looking fine with about a $9,500 deficit.

Motion made by T. Lindeman to approve and place on file the Monthly Balance Sheet, Revenue and Expenditure Report for September, table MMDHD's Monthly Balance Sheet, Revenue and Expenditure Reports for October and November 2018 to the January BOH meeting, and to place the $100,825.06 surplus in unrestricted fund balance. Motion seconded by B. Kellenberger. Motion carried.

DRAFT

d. MMDHD's Financial Status Report (FSR), FY 17/18

M. Bowerman distributed the FSR and G. Bailey indicated that if there were any questions to bring them to the January BOH meeting.

Motion made by T. Lindeman and seconded by G. Bailey to accept the FSR for FY 17/18 and place it on file. Motion carried.

d. Municipal Employees Retirement System (MERS), New Unit

M. Bowerman said money has been previously set aside in the retirement fund balance and indicated that she would like to open a new surplus division with MERS and fund it with $500,000 from the retirement fund balance in order to increase the overall percentage funded by the agency to 85%. She said that currently, the percentage across all divisions is about 80.9%. The balance in the retirement fund is $608,000. She noted that about $100,000 would remain in the retirement fund balance that could be used for operating costs if needed.

Motion made by T. Lindeman and seconded by G. Bailey to authorize M. Bowerman to open a new surplus division with MERS and fund it with $500,000 from the retirement fund balance. Motion carried.

3. Personnel Committee – Betty Kellenberger, Chair

a. Teamsters Local 214 Employee Grievance

M. Cheatham notified the BOH that the agency received a notice of arbitration from the Teamsters Local 214 regarding an employee grievance.

3. Program Committee – Bruce DeLong, Chair – No report.

4. Mid-Central Coordinating Committee – Tom Lindeman, Vice Chair – No report.

F. MEDICAL DIRECTOR'S REPORT: Jennifer E. Morse, M.D., MPH, FAAFP

1. Life Expectancy in the United States

M. Cheatham reviewed Dr. Morse's report in her absence stating that life expectancy in the United States was decreasing. He reviewed the life expectancy charts and mortality rates; noting that the mortality from drugs, particularly males was increasing. He also discussed the increase in self-harm among residents in some parts of Michigan. M. Cheatham distributed and reviewed data regarding Heart Disease Mortality within our district.

M. Cheatham recommended the BOH adopt Dr. Morse's BOH Monthly Healthy Living Recommendation for January as follows:

1. *Continue focused efforts on preventable causes of death, such as suicide prevention and drug overdose.*
2. *Continue to foster access to mental health services, efforts toward community wellbeing, and mental wellness.*

Motion made by B. Kellenberger and seconded by T. Lindeman to adopt the BOH Monthly Healthy Living Recommendation for January as proposed and accept the Medical Director's Report and place on file. Motion carried.

G. HEALTH OFFICER'S REPORT: Mark W. (Marcus) Cheatham, Health Officer, Ph.D.

1. Schedule January BOH Organizational Meeting – Proposed Date: Wednesday, January 23, 2019 at the Administrative Offices in Stanton

   After discussion, motion made by B. Kellenberger and seconded by G. Bailey to schedule the BOH Organizational Meeting for Wednesday, January 23, 2019 at 9 a.m. at the Administrative Offices in Stanton. Motion carried.

2. FY 17/18 BOH Actions Summary

   M. Cheatham reviewed the BOH Actions Summary for FY 17/18.

   Motion made by B. Kellenberger and seconded by T. Lindeman to accept and place the BOH Actions Summary for FY 17/18 on file.

3. Local Public Health Accreditation Schedule

   M. Cheatham reviewed the Local Public Health Accreditation Schedule and stated that the on-site review will be February 4–8, 2019. He said that Dwight Washington indicated that he would be attending; however, all BOH members were encouraged to attend a session or the final exit interview.

4. Health Risk Behaviors Within The State of Michigan, 2016 Behavioral Risk Factor Survey, 30th Annual Report

   M. Cheatham provided an overview of the Health Risk Behaviors Within The State of Michigan, 2016 Behavioral Risk Factor Survey, 30th Annual Report stating that the sample size has increased due to the change in landline telephones to cell phones, and the growing number of individuals that refuse to participate in the survey. He said that 12,000 interviews are now conducted in Michigan. He indicated that the data in the report is used within the district for Community Health Assessments. He noted a pattern of income inequality throughout the survey, except for the Alcohol Consumption section.

H. OLD BUSINESS:

1. Update on Community Sewer Systems for Rural Villages

   a. Riverdale – Meeting with Seville Township

      M. Cheatham reviewed a letter from Charles Bennett, PE, Michigan Department of Environmental Quality (MDEQ) addressed to Seville Township stating that water samples taken from the Pine River exceeded the water quality standards and also that evidence was found of sewage discharges in the Pine River and an unnamed tributary which flows into the Pine River. L. Braddock provided an update regarding the meeting with Seville Township stating that the health department would like to partner with Seville Township to address the problem. She reported that the agency will participate in a conference call with the MDEQ tomorrow to determine options. She reported that residents that have a failed septic system have been

found; and they have been told to pump their septic tanks. G. Bailey commented that he requested Township Supervisors from other communities that already have community sewage systems (such as Ashley and North Star) to speak with Seville Township to outline the process for addressing the situation, including funding sources. S. Smith added that the agency should gather the hard numbers for residents, explain how the improvements were funded, and how they can pay for improvements. M. Cheatham said that the USDA will provide funding if the local communities are willing to match the funds.

b. Septic System Amendment

T. Lindeman mentioned that the proposed septic system ordinance is still on the website and is causing dissention within communities. He recommended that the proposal be removed from the website and information be placed on the website about the direction the health department is taking. He also recommended that the agency take control of the public meetings holding residents to the three-minute speaking allotment.

2. Update on Hepatitis A

M. Cheatham introduced Hailey Brewer, Emergency Preparedness Coordinator stating that he requested her to provide an update to the BOH regarding the status of Hepatitis A within the district. She mentioned that she was going to provide the BOH with an overview of the outbreak and the agency's response. She explained that the outbreak began in August 2016 in Southeast Michigan, with MMDHD having its first case in December 2017. She reported that in October 2018, the agency officially had no counties in outbreak status. H. Brewer provided an overview of the agency's response. She mentioned that the agency received $98,500 to complete specific activities to address the outbreak which had to be spent by September 30, 2018. A total of 1,318 vaccinations were provided district-wide.

A. Tabor provided an overview of the clinics held throughout the district and the agency's success in providing vaccinations. She also reported that staff mailed 7,477 letters through the Michigan Care Improvement Registry (MCIR) district-wide, indicating that the agency provided 173 vaccinations through that mailing. She also explained how staff worked the cases in our district. In summary, A. Tabor reviewed the severity of the disease in Michigan: 907 confirmed cases, 728 hospitalizations, and 28 deaths. Currently, five counties in Michigan remain outbreak jurisdictions: Wayne, Ingham, Shiawassee, and Washtenaw. H. Brewer added that Hepatitis A is a nationwide problem, stating that Kentucky, West Virginia, Indiana, Utah, and Ohio are outbreak states along with Michigan.

3. Status of Montcalm County Resource Recovery Agreement

M. Cheatham provided an update regarding the Montcalm County Resource Recovery Agreement stating that the Montcalm County Solid Waste Commission approved the agency's request to terminate the Agreement with 120 days' notice. He stated that Lonnie Smith, Supervisor of Environmental Health would be handling the resource recovery duties until March 29, 2018.

I. NEW BUSINESS:

1. Emerging Issues

b. Resolution 01-2018, Recognition of Tom Lindeman, Montcalm County Commissioner

M. Cheatham read Resolution 01-2018, Recognition of Tom Lindeman, Montcalm County Commissioner. The BOH recognized and thanked him for his years of service.

Motion made by G. Bailey and seconded by B. Kellenberger to adopt Resolution 01-2018, Recognition of Tom Lindeman, Montcalm County Commissioner and place it on file. Motion carried.

J. LEGISLATIVE ACTION:

1. Legislative Update

M. Cheatham provided an update regarding recent legislation that the statewide septic bill failed. He reviewed the bills regarding PFAS and protections for wetlands.

K. INFORMATIONAL ITEMS:

1. Mid-Michigan District BOH Action Items, November 2018

2. Staffing Report

L. RELATED NEWS ARTICLES AND LINKS:

1. Letters To The Editor (Septic), Gratiot County Herald, November 15, 2018
2. EPA Provides Another Update On Velsicol Cleanup In St. Louis, Gratiot County Herald, November 29, 2018
3. Hepatitis A Case Confirmed In Bath Community Schools, Superintendent Says, Lansing State Journal, November 29, 2018
4. City Wells Get All-Clear From State Water Testing, Morning Sun, December 1, 2018
5. One Stage Of Cleanup Ends As Next One To Begin, Morning Sun, December 4, 2018
6. Pine River Superfund Task Force Keeps Plugging Away On PBB Disaster, Morning Sun, December 5, 2018
7. Breastfeeding-Friendly Workplace, Daily News, December 6, 2018
8. Failing Septic Systems Creating Divisions In Health Dept. District, Gratiot County Herald, December 6, 2018
9. Montcalm County Recycling Coordinator Quits; Electronics Recycling Costs Rise, Daily News, December 6, 2018

M. AGENCY NEWSLETTERS: None

There being no further business to come before the Board, the meeting adjourned at 11:38 a.m.

Respectfully Submitted,

Cynthia M. Partlo, Board Secretary
For Bruce DeLong, Chairperson
Mid-Michigan District Board of Health

Cindy Partlo

From: Marcus Cheatham
Sent: Monday, January 7, 2019 10:30 AM
To: Cindy Partlo
Subject: FW: Appointments

From: Bob Clingenpeel [mailto:bclingenpeel@montcalm.us]
Sent: Thursday, January 3, 2019 2:35 PM
To: Adam Petersen; Betty Kellenberger; Marcus Cheatham
Subject: Appointments

Betty Kellenberger and Adam Petersen have been appointed to the Board of Health.
--
Bob Clingenpeel
Controller/Administrator
Montcalm County

"Stay away from negative people, they have a problem for every solution"
Albert Einstein

Cindy Partlo

From: Goerge, Penny <GOERGEP@clinton-county.org>
Sent: Friday, January 4, 2019 9:58 AM
To: Cindy Partlo
Subject: Notification

Dear Cindy,

Happy New Year!

At the organizational meeting of the Clinton County Board of Commissioners held on January 3, 2019, Bruce DeLong and Dwight Washington were both reappointed as the Board Representatives to the Mid-Michigan District Health Department for 2019. This is your official notification thereof. In addition, here is a link to our official Board Appointments: https://www.clinton-county.org/DocumentCenter/View/2296.

Please feel free to contact me should you have any questions or concerns. Thank you and have a wonderful day!

Most Sincerely,

Penny Goerge
On behalf of the Clinton County Board of Commissioners
Executive Secretary, Clinton County Administration
100 E. State Street, Suite 2100
St. Johns, MI 48879
Phone: (989) 224-5122
Fax: (989) 224-5102
Email: goergep@clinton-county.org
This message is the property of Clinton County and falls under the rules and regulations of the Board of Commissioners Internet Policy Act.

Angie Thompson
Gratiot County Clerk
214 E. Center Street, Ithaca, MI 48847
989-875-5215 Fax: 989-875-5254
gratiotcountyclerk@yahoo.com

Chief Deputy: Rene' Rubin
Deputies: Teresa Bushre,
Ashley Riley and Tricia Moeggenberg

January 15, 2019

Mid-Michigan District Health Department
615 N. State StreetSuite 2
Stanton, MI 48887

RE: Mid-Michigan District Health Department

To whom it may concern:

I am pleased to inform you that on January 2, 2019, the Gratiot County Board of Commissioners appointed: Commissioner Chuck Murphy for a term of 2 years ending 12/31/2020, for the above named board. His contact info, 823 Pine Ave., Alma MI 48801, phone: 989-620-0122 and email cmurphy@gratiotmi.com.

Sincerely,

Angie Thompson

Angie Thompson, Clerk
Gratiot County Board of Commissioners

cc: Gratiot County Boards and Committees Book

RECEIVED
JAN 17 2019

Tom Lindeman
8060 S. Backus Rd
Greenville, MI 48838

Jan 16, 2019

MMDHD Board of Health and Staff
Stanton, MI

Dear Friends;

This letter is to Thank you for the Christmas card and the Gift card to the Winter Inn. It was very much appreciated as we had an excellent dinner.

If was a pleasure serving all of you for those many years. I realize that all was not in agreement with every item on the agenda but it was a good experience. THANK YOU very much.

With Joy

Tom

Tom Lindeman

MONTHLY EXPENSES FOR
December 8, 2018 - January 18, 2019

EV 1888	*$ 277,799.11*
EV 1889	*$ 149,318.70*
EV 1890	*$ 216,288.80*
	$ 643,406.61

Mid-Michigan District Health Department
615 North State Street, Suite 2
Stanton MI 48888
(989) 831-5237

CK#	EV 1888		12/21/2018
	Payables		
104767 to 104805	Quantum Checks & AP Direct Deposits		$104,059.22
	Payroll		
	AFLAC Employee Deduction		$585.49
	MERS Employee Electronic Transfer		$3,484.59
	Chemical Bank Payroll-Ameriprise NBS		$200.00
	Chemical Bank Payroll-Nationwide		$1,320.00
	Chemical Bank Payroll-MERS 457		$525.00
	Chemical Bank Payroll Tax EFT		
	Federal		$30,194.78
	State		$4,737.16
	MERS Employer Electronic Transfer	18-Nov	$31,845.98
	Direct Deposit Payroll		$100,771.75
	Bank Fees		
	Chemical E-Banking fee	18-Nov	$83.24
	Chemical Bank Interest	18-Nov	($8.10)
	TOTAL		**$277,799.11**

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104751	12/07/18	MIC090 MICHIGAN WASTEWATER CONF	101352	11/29/18	18107		$ (1,235.00)	$ -	$ (1,235.00)
			WASTEWATER TRAININGS (9)						
VOID CHECK TRANSACTION							$ 90.00	$ -	$ 90.00
			INVOICE TOTALS:				$ (1,145.00)	$ -	$ (1,145.00)
			CHECK TOTALS:				$ (1,145.00)	$ -	$ (1,145.00)
104767	12/21/18	4IM001 4IMPRINT, INC	6797433	11/13/18	18154	095672-00	$ 3,185.46	$ -	$ 3,185.46
			PROMOTIONAL ITEMS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 3,185.46	$ -	$ 3,185.46
104768	12/21/18	ACU070 ACUITY	101389	12/17/18	18227		$ 15,979.00	$ -	$ 15,979.00
			2019 WORK COMP						
COMPUTER CHECK									
			CHECK TOTALS:				$ 15,979.00	$ -	$ 15,979.00
104769	12/21/18	ALL001 ALLEY T	45657	11/01/18	18195	095671-00	$ 825.00	$ -	$ 825.00
			T-SHIRTS FOR EMPLOYEES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 825.00	$ -	$ 825.00
104770	12/21/18	ALPH83 ALPHA FAMILY CENTER	101380	12/12/18	18185		$ 300.00	$ -	$ 300.00
			JANUARY RENT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 300.00	$ -	$ 300.00
104771	12/21/18	AQUA87 AQUA-FLOW	37131	11/01/18	18167		$ 84.00	$ -	$ 84.00
			TRICOUNTY SCHOOL WATER						
COMPUTER CHECK									
			37147	11/06/18	18166		$ 125.00	$ -	$ 125.00
			TRICOUNTY SCHOOL WATER						
			37155	11/06/18	18165		$ 307.50	$ -	$ 307.50
			TRICOUNTY SCHOOL WATER						
			37168	11/12/18	18164		$ 235.00	$ -	$ 235.00
			TRICOUNTY SCHOOL WATER						
			37173	11/14/18	18163		$ 93.75	$ -	$ 93.75
			TRICOUNTY SCHOOL WATER						
			37181	11/19/18	18162		$ 181.25	$ -	$ 181.25
			TRICOUNTY SCHOOL WATER						
			37194	11/26/18	18161		$ 37.50	$ -	$ 37.50
			TRICOUNTY SCHOOL WATER						
			37205	11/30/18	18160		$ 75.00	$ -	$ 75.00
			TRICOUNTY SCHOOL WATER						
			37217	12/03/18	18159		$ 260.00	$ -	$ 260.00
			TRICOUNTY SCHOOL WATER						
			CHECK TOTALS:				$ 1,399.00	$ -	$ 1,399.00

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104772	12/21/18	BLU008 BLUE CROSS BLUE SHIELD OF MICH	101387	12/09/18	18204		$ 10,899.21	$ -	$ 10,899.21
			0005 JANUARY HEALTH INSURANCE						
COMPUTER CHECK									
			101385-5	12/09/18	18217		$ 19,527.13	$ -	$ 19,527.13
			0003 JANUARY HEALTH INSURAN				CE		
			101386-1	12/09/18	18218		$ 9,708.54	$ -	$ 9,708.54
			0004 JANUARY HEALTH INSURANCE						
			CHECK TOTALS:				$ 40,134.88	$ -	$ 40,134.88
104773	12/21/18	BLU034 BLUE CARE NETWORK	183410056525-A	12/07/18	18219		$ 9,771.14	$ -	$ 9,771.14
			0002 JANUARY HEALTH INSURANCE						
COMPUTER CHECK									
			CHECK TOTALS:				$ 9,771.14	$ -	$ 9,771.14
104774	12/21/18	BLU035 BLUE CARE NETWORK	183410016957-A	12/07/18	18220		$ 3,489.70	$ -	$ 3,489.70
			0003 JANUARY HEALTH INSURANCE						
COMPUTER CHECK									
			CHECK TOTALS:				$ 3,489.70	$ -	$ 3,489.70
104775	12/21/18	CAP095 CAPITAL AREA UNITED WAY	101388	12/17/18	18209		$ 32.00	$ -	$ 32.00
			12/21/18 EMPLOYEE DEDUCTION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 32.00	$ -	$ 32.00
104776	12/21/18	CDW016 CDW GOVERNMENT, INC.	QCB1729	11/20/18	18155	095704-00	$ 189.52	$ -	$ 189.52
			LVO THINKPAD						
COMPUTER CHECK									
			QDX0347	11/29/18	18193	095702-00	$ 332.49	$ -	$ 332.49
			HP OFFICEJET PRINTER						
			CHECK TOTALS:				$ 522.01	$ -	$ 522.01
104777	12/21/18	CLI092 CLINTON COUNTY ADMIN/ACCT	AC2018-028	12/03/18	18226		$ 1,966.67	$ -	$ 1,966.67
			JANUARY RENT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,966.67	$ -	$ 1,966.67
104778	12/21/18	DEL007 DELTA DENTAL OF MICHIGAN	0002098434	12/11/18	18224		$ 4,091.40	$ -	$ 4,091.40
			JANUARY DELTA DENTAL						
COMPUTER CHECK									
			CHECK TOTALS:				$ 4,091.40	$ -	$ 4,091.40
104779	12/21/18	GRA009 GRATIOT COUNTY HERALD	101374	11/30/18	18168		$ 144.64	$ -	$ 144.64
			HIV ADVERTISING						
COMPUTER CHECK									
			CHECK TOTALS:				$ 144.64	$ -	$ 144.64
104780	12/21/18	GRAT92 GRATIOT INTEGRATED HLTH NTWK	101381	12/12/18	18186		$ 100.00	$ -	$ 100.00
			JANUARY RENT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 100.00	$ -	$ 100.00

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104781	12/21/18	HED103 HEDGEROW SOFTWARE LTD.	1036-A	12/04/18	18222		$ 6,000.00	$ -	$ 6,000.00
			JAN-MAR 2019 LICENSE FEES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 6,000.00	$ -	$ 6,000.00
104782	12/21/18	LIN061 LINCOLN FINANCIAL GROUP	3790860317	12/10/18	18188		$ 1,920.20	$ -	$ 1,920.20
			JANUARY LIFE/LTD/AD&D						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,920.20	$ -	$ 1,920.20
104783	12/21/18	MCK032 MCKESSON MEDICAL	40596352	11/16/18	18151	095700-00	$ 101.62	$ -	$ 101.62
			BP ADULT CUFFS						
COMPUTER CHECK									
			40598679	11/16/18	18153	095700-00	$ 24.16	$ -	$ 24.16
			DUST COVERS						
			41423169	11/29/18	18191	095709-00	$ 478.85	$ -	$ 478.85
			SPILLKITS,LANCETS						
			41833346	12/04/18	18192	095713-00	$ 374.58	$ -	$ 374.58
			GLOVES, SHARPS CONTAINERS						
			CHECK TOTALS:				$ 979.21	$ -	$ 979.21
104784	12/21/18	MIS004 MiSDU-MONTCALM CO FRIEND	101388	12/17/18	18208		$ 220.78	$ -	$ 220.78
			12/21/18 EMPLOYEE DEDUCTION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 220.78	$ -	$ 220.78
104785	12/21/18	MNA004 MICHIGAN NURSES ASSOCIATION	101388	12/17/18	18207		$ 449.44	$ -	$ 449.44
			DECEMBER DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 449.44	$ -	$ 449.44
104786	12/21/18	MON140 MONTCALM HUMAN SVCS COALITION	506	11/21/18	18170		$ 1,000.00	$ -	$ 1,000.00
			FY19 MEMBER DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,000.00	$ -	$ 1,000.00
104787	12/21/18	MON183 MONTCALM CO CONTROLLERS OFFICE	101375	12/06/18	18169		$ 274.34	$ -	$ 274.34
			NOVEMBER SOLID WASTE						
COMPUTER CHECK									
			101376	11/30/18	18175		$ 25.42	$ -	$ 25.42
			RECYCLE MICROWAVE						
			CHECK TOTALS:				$ 299.76	$ -	$ 299.76
104788	12/21/18	MOS084 MOS/MICHIGAN OFFICE SOLUTION	IN1273510	11/21/18	18149	095710-00	$ 112.80	$ -	$ 112.80
			STAPLES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 112.80	$ -	$ 112.80

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104789	12/21/18	OFF015 OFFICE DEPOT	233262424001	11/21/18	18144	095701-00	$ 153.39	$ -	$ 153.39
			INK, PAPER CLIPS						
COMPUTER CHECK			233262424002	11/26/18	18143	095701-00	$ 29.78	$ -	$ 29.78
			GEL PENS						
			239479923001	12/05/18	18194	095711-00	$ 58.82	$ -	$ 58.82
			LABELS,SCISSORS,TAPE						
			239547844001	11/30/18	18190	095705-00	$ 129.36	$ -	$ 129.36
			FILES,DIVIDERS,STICKYNOTES						
			242720089001	12/06/18	18189	095715-00	$ 74.80	$ -	$ 74.80
			COPY PAPER						
			CHECK TOTALS:				$ 446.15	$ -	$ 446.15
104790	12/21/18	PLE041 PLEASANT GRAPHICS INC	35605	11/20/18	18150	095656-00	$ 235.00	$ -	$ 235.00
			A/P CHECKS						
COMPUTER CHECK			CHECK TOTALS:				$ 235.00	$ -	$ 235.00
104791	12/21/18	POS043 POSTER COMPLIANCE CENTER	3166851-MI	12/06/18	18188	095726-00	$ 224.85	$ -	$ 224.85
			1 YEAR COMPLIANCE RENEWALS						
COMPUTER CHECK			CHECK TOTALS:				$ 224.85	$ -	$ 224.85
104792	12/21/18	R&S005 R&S NORTHEAST LLC	178750	11/06/18	18142	095681-00	$ 134.70	$ -	$ 134.70
			NUVARING,MEDROXYPRO						
COMPUTER CHECK			179943	11/16/18	18141	095681-00	$ 11.43	$ -	$ 11.43
			FLUCANAZOLE						
			181048	11/29/18	18146	095707-00	$ 300.00	$ -	$ 300.00
			APRI TABS,PORTIA						
			181210	11/30/18	18147	095707-00	$ 370.80	$ -	$ 370.80
			ORTHO TRI CYCLEN,SPRINTEC						
			CHECK TOTALS:				$ 816.93	$ -	$ 816.93
104793	12/21/18	REL040 RELYCO	110.36	11/19/18	18174		$ 110.36	$ -	$ 110.36
			2018 TAX FORMS						
COMPUTER CHECK			CHECK TOTALS:				$ 110.36	$ -	$ 110.36
104794	12/21/18	SAL227 SALISBURY ALEXIS	101383	12/04/18	18197		$ 37.61	$ -	$ 37.61
			INTERN TRAVEL						
COMPUTER CHECK			CHECK TOTALS:				$ 37.61	$ -	$ 37.61

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104795	12/21/18	SAN020 SANOFI PASTEUR INC	911659484	11/19/18	18148	095703-00	$ 286.05	$ -	$ 286.05
			IMOVAX RABIES						
COMPUTER CHECK									
			911707708	12/13/18	18196		$ (46.18)	$ -	$ (46.18)
			FLU PROGRAM 2018-2019 SEASON						
			CHECK TOTALS:				$ 239.87	$ -	$ 239.87
104796	12/21/18	STA008 STATE OF MICHIGAN-LAB	27711282018	11/28/18	18172		$ 88.58	$ -	$ 88.58
			LABS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 88.58	$ -	$ 88.58
104797	12/21/18	STA008 STATE OF MICHIGAN-LAB	80811282018	11/28/18	18173		$ 11.50	$ -	$ 11.50
			LAB						
COMPUTER CHECK									
			CHECK TOTALS:				$ 11.50	$ -	$ 11.50
104798	12/21/18	TEA001 TEAMSTERS LOCAL 214	101388	12/17/18	18212		$ 1,664.55	$ -	$ 1,664.55
			DECEMBER DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,664.55	$ -	$ 1,664.55
104799	12/21/18	TEA031 TEAM FINANCIAL GROUP, INC	564	12/11/18	18200		$ 240.92	$ -	$ 240.92
			40013950 JANUARY CONTRACT PAYMENT						
COMPUTER CHECK									
			565	12/11/18	18199		$ 1,470.79	$ -	$ 1,470.79
			40013952 JANUARY CONTRACT PAYMENT						
			566	12/11/18	18198		$ 2,459.37	$ -	$ 2,459.37
			40013954 JANUARY CONTRACT PAYMENT						
			CHECK TOTALS:				$ 4,171.08	$ -	$ 4,171.08
104800	12/21/18	TOB018 TOBACCO-FREE MICHIGAN	101373	12/11/18	18157		$ 30.00	$ -	$ 30.00
			FY19 MEMBER DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 30.00	$ -	$ 30.00
104801	12/21/18	UNI001 UNITED WAY OF MONTCALM CO	101388	12/17/18	18211		$ 93.00	$ -	$ 93.00
			12/21/18 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 93.00	$ -	$ 93.00
104802	12/21/18	UNI009 UNITED WAY OF GRATIOT CO	101388	12/17/18	18210		$ 56.00	$ -	$ 56.00
			12/21/18 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 56.00	$ -	$ 56.00

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104803	12/21/18	UPS002 UNITED PARCEL SERVICE	423867498	12/08/18	18158		$ 5.98	$ -	$ 5.98
			DHHS LETTER						
COMPUTER CHECK									
			423867508	12/15/18	18201		$ 7.15	$ -	$ 7.15
			CD PACKAGES						
			CHECK TOTALS:				$ 13.13	$ -	$ 13.13
104804	12/21/18	VALL25 VALLEY FARMS BAPTIST CHURCH	101379	12/12/18	18184		$ 100.00	$ -	$ 100.00
			JANUARY RENT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 100.00	$ -	$ 100.00
104805	12/21/18	FIR003 FIRST NATIONAL BANK OMAHA	101372	12/03/18	18156		$ 87.82	$ -	$ 87.82
			MEALS						
COMPUTER CHECK									
			101377	12/03/18	18176		$ 2.65	$ -	$ 2.65
			PAGER						
			101378	12/03/18	18177		$ 2,540.13	$ -	$ 2,540.13
			GODADDY, POSTAGE, TRAINING						
			101378-1	12/03/18	18178	095687-00	$ 477.00	$ -	$ 477.00
			SURFACE REPAIR						
			101378-2	12/03/18	18179	095685-00	$ 90.10	$ -	$ 90.10
			ADULT STETHOSCOPE						
			101378-3	12/03/18	18180	095686-00	$ 112.34	$ -	$ 112.34
			SEAGATE HARD DRIVE						
			101378-4	12/03/18	18181	095690-00	$ 23.33	$ -	$ 23.33
			6 MODULAR LATCH BOX SET						
			101378-5	12/03/18	18182	095708-00	$ 609.15	$ -	$ 609.15
			2 BOXES STAMPED ENVELOPES						
			CHECK TOTALS:				$ 3,942.52	$ -	$ 3,942.52
			BANK CODE TOTALS:				$104,059.22	$ -	$104,059.22

39 COMPUTER CHECKS
0 MANUAL PAYMENT CHECKS
1 VOID CHECKS - TRX
0 VOID CHECKS - STUBS
0 VOID CHECKS - ERROR
0 VOID CHECKS - FORM ALIGNMENT
0 DIRECT DEPOSITS
40 CHECKS TOTAL

COMPANY TOTALS:	$104,059.22	$ -	$104,059.22

Mid-Michigan District Health Department
615 North State Street, Suite 2
Stanton MI 48888
(989) 831-5237

CK#	EV 1889		1/4/2019
	Payables		
104806 to 104814	Quantum Checks & AP Direct Deposits	$	14,971.62
	Payroll		
	AFLAC Employee Deduction	$	590.61
	MERS Employee Electronic Transfer	$	3,441.00
	Chemical Bank Payroll-Ameriprise NBS	$	200.00
	Chemical Bank Payroll-Nationwide	$	1,320.00
	Chemical Bank Payroll-MERS 457	$	525.00
	Chemical Bank Payroll Tax EFT		
	Federal	$	27,397.92
	State	$	4,372.51
	Direct Deposit Payroll	$	96,500.04
	State of Michigan Unemployment	$	-
	TOTAL		**$ 149,318.70**

ACCOUNTS PAYABLE CHEC K REGISTER

BANK CODE 001 CHEMICAL BANK

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
254	01/04/19	DEL057 DELONG BRUCE	101391	12/19/18	18240		$ 125.00	$ -	$ 125.00
			DECEMBER QUARTER PER DIEM						
DIRECT DEPOSIT									
			CHECK TOTALS:				$ 125.00	$ -	$ 125.00
255	01/04/19	KEL038 KELLENBERGER BETTY	101392	12/19/18	18241		$ 60.16	$ -	$ 60.16
			DECEMBER TRAVEL/PER DIEM						
DIRECT DEPOSIT									
			CHECK TOTALS:				$ 60.16		$ 60.16
256	01/04/19	LIN033 LINDEMAN TOM	101390	12/19/18	18239		$ 106.96	$ -	$ 106.96
			DECEMBER TRAVEL/PER DIEM						
DIRECT DEPOSIT									
			CHECK TOTALS:				$ 106.96	$ -	$ 106.96
104806	01/04/19	CAP095 CAPITAL AREA UNITED WAY	101396	01/04/19	18249		$ 35.00	$ -	$ 35.00
			1/4/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 35.00	$ -	$ 35.00
104807	01/04/19	COH003 COHL, STOKER & TOSKEY	49764	12/13/18	18243		$ 351.84	$ -	$ 351.84
			NOVEMBER LEGAL						
COMPUTER CHECK									
			CHECK TOTALS:				$ 351.84	$ -	$ 351.84
104808	01/04/19	COV178 COVENANT MEDICAL CENTER	101393	12/09/18	18245		$ 37.18	$ -	$ 37.18
			21654 LABS						
COMPUTER CHECK									
			101394	12/09/18	18246		$ 101.44	$ -	$ 101.44
			20940 LAB						
			101395	12/09/18	18247		$ 64.26	$ -	$ 64.26
			22412 LABS						
			CHECK TOTALS:				$ 202.88	$ -	$ 202.88
104809	01/04/19	KEN014 KENT COUNTY HEALTH DEPT	EH113018-55555	12/03/18	18242		$ 1,349.00	$ -	$ 1,349.00
			NOVEMBER WATER LABS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,349.00	$ -	$ 1,349.00
104810	01/04/19	MIS004 MiSDU-MONTCALM CO FRIEND	101396	01/04/19	18248		$ 220.78	$ -	$ 220.78
			1/4/19 EMPLOYEE DEDUCTION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 220.78		$ 220.78
104811	01/04/19	NAT016 NRFSP	INV100828	11/30/18	18244		$ 875.00	$ -	$ 875.00
			9565640, 9565641 FOOD TESTS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 875.00	$ -	$ 875.00

ACCOUNTS PAYABLE CHEC K REGISTER

BANK CODE 001 CHEMICAL BANK

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104812	01/04/19	ONE25 ONE-COMMUNITY CONSULTING	10	11/29/18	18108		$11,500.00	$ -	$11,500.00
			50% BUSINESS MODEL						
COMPUTER CHECK									
			CHECK TOTALS:				$11,500.00	$ -	$11,500.00
104813	01/04/19	UNI001 UNITED WAY OF MONTCALM CO	101396	01/04/19	18251		$ 70.00	$ -	$ 70.00
			1/4/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 70.00	$ -	$ 70.00
104814	01/04/19	UNI009 UNITED WAY OF GRATIOT CO	101396	01/04/19	18250		$ 75.00	$ -	$ 75.00
			1/4/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 75.00	$ -	$ 75.00
			BANK CODE TOTALS:				$14,971.62	$ -	$14,971.62

9 COMPUTER CHECKS
0 MANUAL PAYMENT CHECKS
0 VOID CHECKS - TRX
0 VOID CHECKS - STUBS
0 VOID CHECKS - ERROR
0 VOID CHECKS - FORM ALIGNMENT
3 DIRECT DEPOSITS
12 CHECKS TOTAL

COMPANY TOTALS:	$14,971.62	$ -	$14,971.62

Mid-Michigan District Health Department
615 North State Street, Suite 2
Stanton MI 48888
(989) 831-5237

CK#	EV 1890		1/18/2019
	Payables		
104755	VOID - One Community Consulting - *check voided in Quantum but did not show on register*		($11,500.00)
104815 to 104850	Quantum Checks & AP Direct Deposits		$86,599.44
	Payroll		
	AFLAC Employee Deduction		$590.61
	MERS Employee Electronic Transfer		$3,228.88
	Chemical Bank Payroll-Ameriprise NBS		$200.00
	Chemical Bank Payroll-Nationwide		$1,320.00
	Chemical Bank Payroll-MERS 457		$650.00
	Chemical Bank Payroll Tax EFT		
	Federal		$25,888.16
	State		$4,148.62
	MERS Employer Electronic Transfer	18-Dec	$26,325.47
	MERS Employer Electronic Transf correction	18-Nov	($31,845.98)
	MERS Employer Electronic Transf actual	18-Nov	$24,663.96
	Direct Deposit Payroll		$86,020.09
	Direct Deposit Payroll for 12/7/18 - Austin Thomas return		($75.00)
	Bank Fees		
	Chemical E-Banking fee	18-Dec	$83.00
	Chemical Bank Interest	18-Dec	($8.45)
	TOTAL		**$216,288.80**

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104815	01/18/19	AQUA87 AQUA-FLOW	37230	12/05/18	18278		$ 113.00	$ -	$ 113.00
			TRICOUNTY MIDDLE/WATER CONTRACT						
COMPUTER CHECK									
			37240	12/10/18	18277		$ 143.75	$ -	$ 143.75
			TRICOUNTY MIDDLE/WATER CONTRACT						
			37244	12/13/18	18275		$ 117.25	$ -	$ 117.25
			TRICOUNTY MIDDLE/WATER CONTRACT						
			37260	12/17/18	18276		$ 112.50	$ -	$ 112.50
			TRICOUNTY MIDDLE/WATER CONTRACT						
			CHECK TOTALS:				$ 486.50	$ -	$ 486.50
104816	01/18/19	BEH044 BEHAVIORAL HLTH SCIENCE	101401	12/04/18	18273		$ 50.00	$ -	$ 50.00
			CHERYL THELEN FORUM REP						
COMPUTER CHECK									
			CHECK TOTALS:				$ 50.00	$ -	$ 50.00
104817	01/18/19	BLU008 BLUE CROSS BLUE SHIELD OF MI	101410	01/08/19	18306		$10,899.21	$ -	$10,899.21
			0005 FEBRUARY HEALTH INSURANCE						
COMPUTER CHECK									
			101411	01/10/19	18307		$ 6,960.84	$ -	$ 6,960.84
			0004 FEBRUARY HEALTH INSURANCE						
			101412	02/01/19	18308		$17,218.92	$ -	$17,218.92
			0003 FEBRUARY HEALTH INSURANCE						
			CHECK TOTALS:				$35,078.97	$ -	$35,078.97
104818	01/18/19	CAP095 CAPITAL AREA UNITED WAY	101413	01/18/19	18311		$ 20.00	$ -	$ 20.00
			1/18/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 20.00	$ -	$ 20.00
104819	01/18/19	CDW016 CDW GOVERNMENT, INC.	GR1801309	12/05/18	18266	095756-00	$ 1,386.00	$ -	$ 1,386.00
			TROUBLESHOOTING PHONE SYSTEM						
COMPUTER CHECK									
			QJW8371	12/13/18	18256	095722-00	$ 116.00	$ -	$ 116.00
			GOV ADOBE ACROBAT						
			QMV6307	12/28/18	18261	095729-00	$ 3,197.50	$ -	$ 3,197.50
			SINGLEWIRE INFORMACAST MOBILE						
			CHECK TOTALS:				$ 4,699.50	$ -	$ 4,699.50
104820	01/18/19	CEN021 CENTRAL MI DIST HEALTH DEPT	101397-1	12/17/18	18316		$ 4,760.15	$ -	$ 4,760.15
			NOVEMBER MD						
COMPUTER CHECK									
			CHECK TOTALS:				$ 4,760.15	$ -	$ 4,760.15
104821	01/18/19	CIT136 CITY OF GREENVILLE	101398	12/31/18	18270		$ 360.00	$ -	$ 360.00
			REFUND; PAID X2 OCTOBER IMMS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 360.00	$ -	$ 360.00
104822	01/18/19	CLI092 CLINTON COUNTY ADMIN/ACCT	AC-2019-002	01/02/19	18290		$ 1,966.67	$ -	$ 1,966.67
			FEBRUARY DENTAL RENT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,966.67	$ -	$ 1,966.67

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104823	01/18/19	CRY023 CASAIR-CRYSTAL AUTO SYSTEM	483033	01/01/19	18282		$ 800.00	$ -	$ 800.00
			INTERNET/FIBER/LIST SERVICE						
COMPUTER CHECK									
			CHECK TOTALS:				$ 800.00	$ -	$ 800.00
104824	01/18/19	FRIE59 FRIEDLAND INDUSTRIES, INC	1689	12/20/18	18280		$ 336.50	$ -	$ 336.50
			DECEMBER SHREDDING						
COMPUTER CHECK									
			CHECK TOTALS:				$ 336.50	$ -	$ 336.50
104825	01/18/19	INSP25 INSPIRATION STUDIO DESIGN	1751	09/28/18	18279		$ 3,287.50	$ -	$ 3,287.50
			FINAL WEBSITE/LOGO						
COMPUTER CHECK									
			1810	12/04/18	18257	095737-00	$ 250.00	$ -	$ 250.00
			2 CORPORATE GUIDELINES BOOKLETS						
			CHECK TOTALS:				$ 3,537.50	$ -	$ 3,537.50
104826	01/18/19	KKZ030 KKZO LLC	01-18	12/20/18	18267		$ 400.00	$ -	$ 400.00
			5/18-12/18 CD REPORTING						
COMPUTER CHECK									
			CHECK TOTALS:				$ 400.00	$ -	$ 400.00
104827	01/18/19	LIN061 LINCOLN FINANCIAL GROUP	3809991197	01/10/19	18305		$ 2,132.62	$ -	$ 2,132.62
			FEBRUARY LIFE/LTD/AD&D						
COMPUTER CHECK									
			CHECK TOTALS:				$ 2,132.62	$ -	$ 2,132.62
104828	01/18/19	MAL010 MALPH	101404	12/31/18	18288		$ 7,059.57	$ -	$ 7,059.57
			1Q19 CJS GRANT						
COMPUTER CHECK									
104828	01/18/19	MAL010 MALPH	101405	01/04/19	18289		$ 626.58	$ -	$ 626.58
			NOV 2018 CJS TRAINING						
			CHECK TOTALS:				$ 7,686.15	$ -	$ 7,686.15
104829	01/18/19	MAL033 MALEHA	101399	12/18/18	18271		$ 20.00	$ -	$ 20.00
			LONNIE SMITH ASSOCIATE MEMBER						
COMPUTER CHECK									
			101400	12/18/18	18272		$ 30.00	$ -	$ 30.00
			LIZ BRADDOCK MEMBER						
			CHECK TOTALS:				$ 50.00	$ -	$ 50.00
104830	01/18/19	MCK032 MCKESSON MEDICAL	43034349	12/19/18	18263	095734-00	$ 142.46	$ -	$ 142.46
			BP CUFFS,BETADINE,LOTION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 142.46	$ -	$ 142.46
104831	01/18/19	MIC007 MICHIGAN PUBLIC HEALTH INST	55742	12/17/18	18269		$ 25.00	$ -	$ 25.00
			DENA KENT WIC TRAINING						
COMPUTER CHECK									
			CHECK TOTALS:				$ 25.00	$ -	$ 25.00
104832	01/18/19	MIC086 MICHIGAN ORAL HEALTH COALTITION	101403	01/02/19	18286		$ 50.00	$ -	$ 50.00
			SHELLEY TREYNOR MEMBERSHIP						
COMPUTER CHECK									
			CHECK TOTALS:				$ 50.00	$ -	$ 50.00

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104833	01/18/19	MIS004 MiSDU-MONTCALM CO FRIEND	101413	01/18/19	18310		$ 220.78	$ -	$ 220.78
			1/18/19 EMPLOYEE DEDUCTION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 220.78	$ -	$ 220.78
104834	01/18/19	MNA004 MICHIGAN NURSES ASSOCIATION	101413	01/18/19	18309		$ 462.48	$ -	$ 462.48
			1/18/19 DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 462.48	$ -	$ 462.48
104835	01/18/19	MON183 MONTCALM CO CONTROLLERS OFFICE	101406	01/08/19	18292		$ 369.36	$ -	$ 369.36
			DECEMBER RECYCLE-SOLID WASTE						
COMPUTER CHECK									
			CHECK TOTALS:				$ 369.36	$ -	$ 369.36
104836	01/18/19	NAT016 NRFSP	INV101175	12/31/18	18281		$ 375.00	$ -	$ 375.00
			ORDER #9566113-1 FOOD TESTS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 375.00	$ -	$ 375.00
104837	01/18/19	NEH029 NEHA MEMBERSHIP	107504	01/03/19	18291		$ 100.00	$ -	$ 100.00
			DUANE SCHNEIDER MEMEBERSHIP						
COMPUTER CHECK									
			CHECK TOTALS:				$ 100.00	$ -	$ 100.00
104838	01/18/19	OFF015 OFFICE DEPOT	243613701001	12/21/18	18262	095728-00	$ 76.70	$ -	$ 76.70
			SELF-INKING STAMPS,STAPLER						
COMPUTER CHECK									
			248741329001	12/20/18	18260	095735-00	$ 226.86	$ -	$ 226.86
			COPY PAPER,TAPE						
			CHECK TOTALS:				$ 303.56	$ -	$ 303.56
104839	01/18/19	ONE25 MARY ZUMBRUNNEN	11	12/28/18	18304		$10,000.00	$ -	$10,000.00
			FINAL HEALTHY MONTCALM FEASIBILTY STUDY						
COMPUTER CHECK									
			CHECK TOTALS:				$10,000.00	$ -	$10,000.00
104840	01/18/19	PER009 PERSPECTIVE ENTERPRISES	58274	12/11/18	18265	095723-00	$ 233.50	$ -	$ 233.50
			CARRYING CASE,MEASURING TAPES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 233.50	$ -	$ 233.50
104841	01/18/19	QUI003 QUILL CORPORATION	3632874	12/19/18	18258	095736-00	$ 50.69	$ -	$ 50.69
			CC TAPE,SHIPPING TAPE						
COMPUTER CHECK									
			3668193	12/20/18	18259	095738-00	$ 119.99	$ -	$ 119.99
			BLACK MESH CHAIR						
			CHECK TOTALS:				$ 170.68	$ -	$ 170.68
104842	01/18/19	STA031 STANTON LOCK-UP	101402	12/21/18	18285		$ 918.00	$ -	$ 918.00
			2019 STORAGE UNIT						
COMPUTER CHECK									
			CHECK TOTALS:				$ 918.00	$ -	$ 918.00
104843	01/18/19	STA032 STATE OF MICHIGAN-MDHHS LAB	4012112018	12/11/18	18284		$ 77.08	$ -	$ 77.08
			LABS						
COMPUTER CHECK									
			CHECK TOTALS:				$ 77.08	$ -	$ 77.08

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
104844	01/18/19	STA032 STATE OF MICHIGAN-MDHHS LAB	147711282018	11/28/18	18283		$ 11.50	$ -	$ 11.50
			LAB						
COMPUTER CHECK									
			CHECK TOTALS:				$ 11.50	$ -	$ 11.50
104845	01/18/19	TEA001 TEAMSTERS LOCAL 214	101413	01/18/19	18314		$ 1,665.55	$ -	$ 1,665.55
			1/18/19 DUES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 1,665.55	$ -	$ 1,665.55
104846	01/18/19	UNI001 UNITED WAY OF MONTCALM CO	101413	01/18/19	18313		$ 70.00	$ -	$ 70.00
			1/18/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 70.00	$ -	$ 70.00
104847	01/18/19	UNI009 UNITED WAY OF GRATIOT CO	101413	01/18/19	18312		$ 75.00	$ -	$ 75.00
			1/18/19 EMPLOYEE DONATION						
COMPUTER CHECK									
			CHECK TOTALS:				$ 75.00	$ -	$ 75.00
104848	01/18/19	USA021 USA TODAY NETWORK	0002137720	11/30/18	18274		$ 82.00	$ -	$ 82.00
			PUBLIC NOTICE/SEPTIC ORDINANCE						
COMPUTER CHECK									
			CHECK TOTALS:				$ 82.00	$ -	$ 82.00
104849	01/18/19	WINN73 WINN TELECOM	19JAN0410000908	01/01/19	18287		$ 2,518.77	$ -	$ 2,518.77
			LONG DISTANCE/INTERNET/FEES						
COMPUTER CHECK									
			CHECK TOTALS:				$ 2,518.77	$ -	$ 2,518.77
104850	01/18/19	FIR003 FIRST NATIONAL BANK OMAHA	101407	01/02/19	18293		$ 294.93	$ -	$ 294.93
			CHRISTMAS LUNCH/PARKING/TRAINING						
COMPUTER CHECK									
			101408	01/02/19	18294		$ 1,262.65	$ -	$ 1,262.65
			DROP BOX/PAGER						
			101409	01/02/19	18295	095714-00	$ 306.25	$ -	$ 306.25
			EH PRESTAMPED ENVELOPES						
			101409-1	01/02/19	18296	095721-00	$ 47.37	$ -	$ 47.37
			COAT ORGANIZER						
			101409-2	01/02/19	18297	095718-00	$ 1,795.35	$ -	$ 1,795.35
			6 PRESTAMPD ENVELOPES FOR GRATIOT						
			101409-3	01/02/19	18298	095717-00	$ 28.59	$ -	$ 28.59
			DIGITAL THERMOMETER						
			101409-4	01/02/19	18299	095712-00	$ 29.74	$ -	$ 29.74
			2 DIAGNOSTIC BULBS						
			101409-5	01/02/19	18300	095724-00	$ 20.55	$ -	$ 20.55
			BABY CHANGING PAD						
			101409-6	01/02/19	18301		$ 2,498.97	$ -	$ 2,498.97
			TRAINING & POSTAGE						
			101409-7	01/02/19	18302	095730-00	$ 20.10	$ -	$ 20.10
			BATTERY REPLACEMENT						
			101409-8	01/02/19	18303	095731-00	$ 59.66	$ -	$ 59.66
			CD HEALTH BOOK						

ACCOUNTS PAYABLE CHECK REGISTER

CHECK NO	CHECK\VOID DATE	REMIT-TO NAME VENDOR-#	INVOICE NO	INVOICE DATE	VOUCH#	P.O.-NO	AMOUNT PAID	DISCOUNT TAKEN	CHECK AMOUNT
			CHECK TOTALS:				$ 6,364.16	$ -	$ 6,364.16
			BANK CODE TOTALS:				$86,599.44	$ -	$86,599.44

36 COMPUTER CHECKS
0 MANUAL PAYMENT CHECKS
0 VOID CHECKS - TRX
0 VOID CHECKS - STUBS
0 VOID CHECKS - ERROR
0 VOID CHECKS - FORM ALIGNMENT
0 DIRECT DEPOSITS
36 CHECKS TOTAL

			COMPANY TOTALS:				$86,599.44	$ -	$86,599.44

Mid-Michigan District Health Department
Monthly Balance Sheet, Revenue and Expenditure Report
December 2018

Summary and Special Notes

As of the end of the first quarter of FY 18/19, actual revenues and expenditures should be approximately 25% of the $6,150,092 total budget. The total revenues through December were $1,860,627.53 and the total expenses were $1,474,333.13. The overall actual revenues and expenditures (adjusting for in-kind space costs and Vaccines for Children) were at 30% and 24% respectively representing a surplus of $386,294.40.

The surplus includes the revenue for the Community Health Worker program. Only part of that revenue will be included in the current year so factoring that out, there would be a deficit of approximately $85,000.

Revenues

- **Miscellaneous Fees (Line 9)** – These fees are variable and hard to budget for; but they represent a small dollar amount.
- **Immunization Fees (Line 13)** – These fees are normally higher than budgeted in the first part of the year due to influenza fees.
- **Other Community Support (Line 27)** – There are grants that we haven't received funding for currently, but will in future periods.

Expenses

- **Contractual (Line 18)** – There was a large payment made for a consultant on the Greenville Area Community Foundation grant in this quarter. This budget line item may need to be adjusted in future quarters.
- **Advertising (Line 22)** – There was advertising for the Drug Free Communities grant included in the first quarter. This is covered by grant funds. The budgeted amount may need to be adjusted in future quarters.
- **Rent (Line 25)** – We changed the way that we are recording the payment for dental space rental in Clinton County. We receive payment from MCDC; and then pay Clinton County. It used to be recorded all in the revenue account but has been broken out as an expense and a revenue item. The revenue will have an offsetting increase.
- **Memberships (Line 28)** – Many memberships are paid in the first part of the year.

MMDHD BALANCE SHEET AS OF	12/31/2018
CURRENT ASSETS	
CASH TO TREASURER	$2,764,931.07
CASH ON DEPOSIT/IMPREST CASH	3,240.00
ACCOUNTS RECEIVABLE/CASH IN TRANSIT	66,771.55
DUE FROM GOVERNMENTAL AGENCIES	535,178.28
INVENTORY - VFC IMMS	66,331.41
PREPAIDS	111,125.50
TOTAL ASSETS	$3,547,577.81
LIABILITIES AND FUND BALANCE	
ACCOUNTS PAYABLE	($67,653.63)
PAYROLL DEDUCTIONS	438.28
PAYROLL PAYABLES	234,351.49
OTHER ACCRUED PAYABLES	-
ADVANCES	-
TRUST FUNDS	84,168.86
DEFERRED REVENUE PRIOR YEAR	12,412.64
DEFERRED REV DENTAL OUTREACH	167,413.00
DEFERRED REVENUE MCDC	105,000.00
DEFERRED REVENUE-VFC IMMS	66,331.41
FUND BALANCE RESTRICTED DENTAL	101,065.11
FUND BALANCE END OF YEAR	100,825.61
FUND BALANCE	390,798.90
FUND BALANCE EQUIPMENT	489,494.46
FUND BALANCE FACILITY DEV	124,580.00
FUND BALANCE SELF INS BONDS	13,949.72
FUND EQUITY-FUTURE RETIREMENT	608,829.80
FUND EQUITY-COMPENSATED LEAVES	285,988.76
FUND EQUITY-UNEMPLOYMENT	55,000.00
FUND EQUITY-TRAINING	35,000.00
FUND EQUITY/BRFS	11,522.00
FUND BALANCE-HEALTH INSURANCE	160,000.00
FUND BALANCE-POTENTIAL CLAIMS	181,767.00
BALANCE SHEET NET INCOME	386,294.40
TOTAL LIABILITIES	$ 3,547,577.81
TOTAL NET INCOME	0.00

Mid-Michigan District Health Department **DECEMBER** **25%** **FY 2019** **AP: 3**

Revenue

	Account	Amended Budget	Current Month	Year-To-Date	Amended Budget Balance	YTD % of Amended Budget
1	Onsite Sewage	171,959.00	32,365.00	32,365.00	139,594.00	19%
2	Groundwater Quality	164,326.00	21,344.00	21,344.00	142,982.00	13%
3	Food Service	281,775.00	12,558.00	12,558.00	269,217.00	4%
4	Campgrounds	3,240.00	196.00	196.00	3,044.00	6%
5	Swimming Pools	6,055.00	0.00	0.00	6,055.00	0%
6	Waste Haulers	1,000.00	1,965.50	1,965.50	-965.50	197%
7	DHS Facility Inspections	31,486.00	6,632.00	6,632.00	24,854.00	21%
8	Body Art Fees	1,300.00	0.00	0.00	1,300.00	0%
9	EH Misc Fees	2,570.00	1,537.22	1,537.22	1,032.78	60%
10	Vision Fees	26,500.00	5,487.20	5,487.20	21,012.80	21%
11	Hearing Fees	23,000.00	8,385.20	8,385.20	14,614.80	36%
12	Communicable Disease Fees	2,000.00	240.00	240.00	1,760.00	12%
13	Immunization Fees	140,000.00	64,231.54	64,231.54	75,768.46	46%
14	Family Planning/STD Fees	109,800.00	20,094.13	20,094.13	89,705.87	18%
15	Breast Cancer Fees	3,000.00	519.20	519.20	2,480.80	17%
16	Lead Fees	15,000.00	4,013.67	4,013.67	10,986.33	27%
17	Varnish Fees	20,000.00	4,030.00	4,030.00	15,970.00	20%
18	Breastfeeding Fees	20,000.00	1,329.46	1,329.46	18,670.54	7%
19	Ched Miscellaneous Fees	400.00	0.00	0.00	400.00	0%
20	Miscellaneous Other Fees	100.00	215.39	215.39	-115.39	215%
21	Deferred Revenues - Billing	0.00	0.00	0.00	0.00	0%
22	VFC/317 Vaccine Revenue	300,000.00	54,803.23	54,803.23	245,196.77	18%

23	MDHHS Grants	1,558,839.00	407,437.00	407,437.00	1,151,402.00	26%
24	Essential Local Public Health Services	835,957.00	196,477.00	196,477.00	639,480.00	24%
25	MDCH Fee For Service Revenue	63,500.00	12,074.50	12,074.50	51,425.50	19%
26	DEQ Grants	77,255.00	14,374.50	14,374.50	62,880.50	19%
27	Other Grants/Community Support	578,480.00	26,019.20	26,019.20	552,460.80	4%
28	Medicaid Outreach	154,000.00	0.00	0.00	154,000.00	0%
29	Medicaid Full Cost Reimbursement	157,822.00	108,213.00	108,213.00	49,609.00	69%
30	Interest	8,000.00	5,853.44	5,853.44	2,146.56	73%
31	Misc Revenue	0.00	0.00	0.00	0.00	0%
32	Donations	6,200.00	0.75	0.75	6,199.25	0%
33	Cash Over/Short	0.00	0.00	0.00	0.00	0%
34	Clinton Co - Appropriation	400,141.00	97,726.25	97,726.25	302,414.75	24%
35	Gratiot Co - Appropriation	287,764.00	71,941.00	71,941.00	215,823.00	25%
36	Montcalm Co - Appropriation	427,573.00	97,838.75	97,838.75	329,734.25	23%
37	Prior Year Adjustments	0.00	0.00	0.00	0.00	0%
38	Space Occupancy	271,050.00	75,736.00	75,736.00	195,314.00	28%
39	Deferred Revenues/Fund Balance- Other	0.0	506,989.40	506,989.40	-506,989.40	0%
	TOTAL REVENUE:	6,150,092.00	1,860,627.53	1,860,627.53	4,289,464.47	30%
	W/O SPACE & VFC	5,579,042.00	1,730,088.30	1,730,088.30	3,848,953.70	31%

Mid-Michigan District Health Department DECEMBER 25% FY 2019 AP: 3

Expenditure

	Account	Amended Budget	Current Month	Year-To-Date	Amended Budget Balance	YTD % of Amended Budget
1	Board of Health Per Diem	6,000.00	1,359.02	1,359.02	4,640.98	23%
2	Salaries	3,302,869.00	823,267.80	823,267.80	2,479,601.20	25%
3	FICA	252,670.00	60,603.52	60,603.52	192,066.48	24%
4	Health Insurance	689,135.00	155,818.14	155,818.14	533,316.86	23%
5	Dental Insurance	45,362.00	10,057.36	10,057.36	35,304.64	22%
6	Retirement	355,895.00	75,739.10	75,739.10	280,155.90	21%
7	Work Comp	38,552.00	4,555.50	4,555.50	33,996.50	12%
8	Unemployment Comp	5,199.00	1,490.49	1,490.49	3,708.51	29%
9	Life Insurance	6,595.00	572.39	572.39	6,022.61	9%
10	Physicals/memberships	0.00	0.00	0.00	0.00	0%
11	Printed Materials	4,350.00	549.37	549.37	3,800.63	13%
12	Postage	29,200.00	1,627.23	1,627.23	27,572.77	6%
13	Office Supplies	54,195.00	12,867.70	12,867.70	41,327.30	24%
14	Computer/Printer Supplies	36,800.00	6,828.55	6,828.55	29,971.45	19%
15	Medical Supplies	69,800.00	7,003.11	7,003.11	62,796.89	10%
16	CD Meds Biologics	78,600.00	15,507.74	15,507.74	63,092.26	20%
17	VFC Supplies	300,000.00	54,803.23	54,803.23	245,196.77	18%
18	Contractual Services	99,000.00	35,586.34	35,586.34	63,413.66	36%
19	Legal Expenses	9,000.00	703.44	703.44	8,296.56	8%
20	Communications	72,310.00	15,783.01	15,783.01	56,526.99	22%
21	Travel	150,550.00	39,826.39	39,826.39	110,723.61	26%
22	Advertising & Recruitment	14,000.00	6,399.06	6,399.06	7,600.94	46%
23	Liability Insurance	32,000.00	8,853.75	8,853.75	23,146.25	28%
24	Equipment Maintenance/Lease	54,700.00	21,470.82	21,470.82	33,229.18	39%

25	Rent	8,500.00	7,899.98	7,899.98	600.02	93%
26	Space Occupancy	270,050.00	75,736.00	75,736.00	194,314.00	28%
27	Training	24,000.00	7,980.17	7,980.17	16,019.83	33%
28	Memberships/Certifications/Subscriptions	19,560.00	10,511.15	10,511.15	9,048.85	54%
29	Tuition Reimbursement	0.00	0.00	0.00	0.00	0%
30	Laboratory	8,000.00	405.98	405.98	7,594.02	5%
31	Behavioral Risk Factor Survey	22,000.00	0.00	0.00	22,000.00	0%
32	Misc Other Expense	0.00	0.00	0.00	0.00	0%
33	Computer Support	81,700.00	8,738.30	8,738.30	72,961.70	11%
34	Service Charges/Credit Card Fees	9,500.00	1,788.49	1,788.49	7,711.51	19%
35	Equipment	0.00	0.00	0.00	0.00	0%
36	BOH approved capital expenses	0.00	0.00	0.00	0.00	0%
	TOTAL EXPENSES	6,150,092.00	1,474,333.13	1,474,333.13	4,675,758.87	24%
	W/O SPACE & VFC	5,580,042.00	1,343,793.90	1,343,793.90	4,236,248.10	24%
	Revenue Over Expenditures (Deficit)	0.00	386,294.40	386,294.40	-386,294.40	0%
	Revenue Over Expenditures (Deficit) without BOH approved capital expense	0.00	386,294.40	386,294.40	-387,294.40	0%

Mid-Michigan District Health Department **MMDHD**	**DEPARTMENT POLICY**	**Number:**
	Subject: MMDHD Board of Health Per Diem Compensation and Travel Reimbursement	
	Supersedes No.: May 7, 2008; July 1, 2005; April 29, 2003; July 7, 2000 **Dated: August 24, 2011**	**Page 1 of 1**
	Approved By: Board of Health	**Effective Date: 10/01/11**

(Per Board of Health Meeting Minutes from August 24, 2011)

Purpose:

The purpose of this procedure is to describe the uniform format to be utilized for per diem compensation and the reimbursement of travel expenses for all Mid-Michigan District Health Department (MMDHD) Board of Health members.

Policy:

Compensation:

The Chairperson serving the Mid-Michigan District Health Department (MMDHD) Board of Health (BOH) shall receive a stipend of $500 annually in addition to any compensation for participation in Board meetings and for attendance at conferences, seminars or other meetings.

Each member of the Mid-Michigan District Health Department (MMDHD) Board of Health (BOH) shall receive compensation for participation in Board meetings and for attendance at conferences, seminars or other meetings as a representative of and pertaining to business of the Mid-Michigan District Health Department. Recognizing the current economic conditions, the Board of Health voted and approved a reduction in per diem amounts effective October 1, 2011. Per diem payments will be made at the following rates:

$34 per half day meeting
(One meeting per day, morning or afternoon.)

$59 per full day meeting
(Two meetings or more in a single day or morning meeting extending into afternoon.)

Travel

For attendance at meetings representing and pertaining to business of MMDHD, each Board member shall receive reimbursement for actual reasonable travel expenses, including mileage to the meeting location, round trip (equal to the maximum amount permitted by the United States Internal Revenue Service), meals, parking and other business travel expenses. When overnight travel is required, the reasonable cost for lodging is also reimbursable.

Reimbursement of Compensation and Travel Expenses

Each Board member shall be reimbursed monthly for per diems and travel expenses upon submission of a signed Travel Expense Voucher, sample attached as Exhibit A, (approved by the Board Chair and Health Officer) listing the dates and meetings attended, meeting locations, mileage, and other travel expenses. Receipts must be included for lodging, meals, and parking expenses.

Attachment: Exhibit A, Sample Travel Expense Voucher

Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

Report to the Boards of Health
Jennifer Morse, MD, MPH, FAAFP, Medical Director

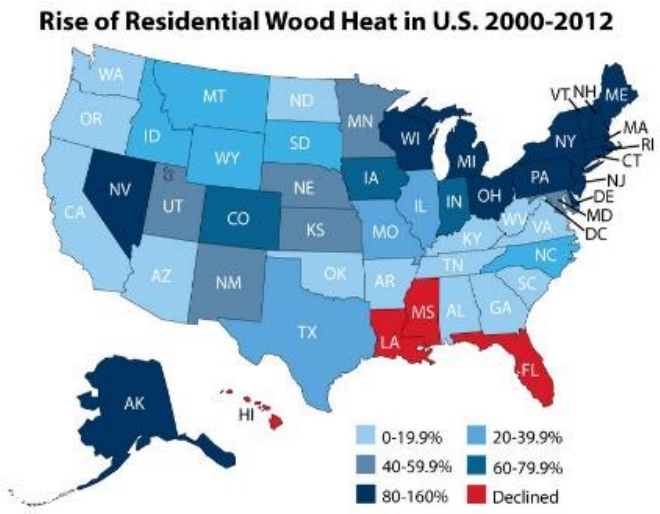
Mid-Michigan District Health Department
Wednesday, January 31, 2018

Central Michigan District Health Department
Wednesday, January 31, 2018

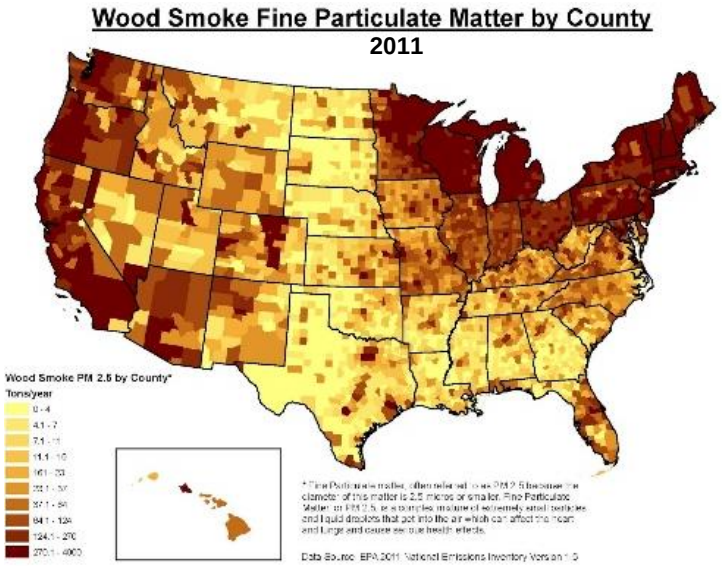
District Health Department 10
Friday, January 25, 2018

Wood Smoke and Health

The use of wood stoves as a heating alternative has been increasing over the past several decades, mainly in response to increasing fuel costs. The use of wood and pellets for home heating increased by 34% from 2000 to 2010, while the use of oil and propane declined.



Smoke from burning wood is made up of a complex mixture of gases and fine particles. Fine particles, also called particle pollution, particulate matter (PM), or fine particulate matter (PM2.5), are the most harmful part of smoke. The number 2.5 refers to particles that are no bigger than 2.5 microns (µm). To get an idea of how small this is, it would take 20 particles that are 2.5 µm to fit across the width of a strand of hair.



There has been extensive research on the effects of fine particulate matter and adverse health effects. Infants, children, elderly, and those with pre-existing heart or lung conditions are typically most severely affected. Some of the effects include:

- irritated eyes, throat, sinuses, and lungs
- headaches
- reduced lung function, especially in children
- lung inflammation or swelling
- increased risk of lower respiratory diseases
- more severe or frequent symptoms from existing lung diseases (such as asthma, emphysema, pneumonia, and bronchitis)
- risk of heart attack and stroke
- chronic lung disease, including bronchitis and emphysema
- chemical and structural changes in lungs
- cancer
- premature death

Due to the health risks of wood smoke, the Environmental Protection Agency (EPA) has been gradually phasing in wood stove standards since 1988. Some states have chosen to enforce more strict standards. In 1988, Phase I regulations were initiated, in which all stoves manufactured from that point forward could only emit 8.5 grams of

particles per hour or less. In 1990, Phase II began, in which the limit was lowered to 7.5 gm/hr. To encourage use of these newer stoves, the IRS began to offer a tax credit to consumers who purchase EPA-approved models from 2011 to 2016. Manufacturers continued improving their designs and many stoves had emissions at or below 4.5 gm/hr. In 2015, Phase III performance standard for residential wood heaters lowered emission limit to 4.5 gm/hr. for all new stoves. Phase IV is set to go into effect May, 2020 and will lower limits to 2 to 2.5 gm/hr., depending on the measurement method.

Michigan residents do not necessarily have to follow these standards. The Natural Resources and Environmental Protection Act (Excerpt) Act 451 of 1994, 324.5514, Sec. 5514, which was introduced into the Michigan Senate and passed in anticipation to Phase III, states:

(1) The department of environmental quality shall not do any of the following:
- (a) Promulgate a rule limiting emissions from wood heaters.
- (b) Enforce against a manufacturer, distributor, or consumer a federal regulation limiting emissions from wood heaters and adopted after May 1, 2014.

The State of Michigan does not enforce the rules set forth by EPA for wood burners or stoves for residential use. Many communities have enacted local ordinances, primarily pertaining to outdoor wood boilers. Outdoor wood boilers create a lot of smoke that is released low to the ground and have caused a great deal of resident complaints.

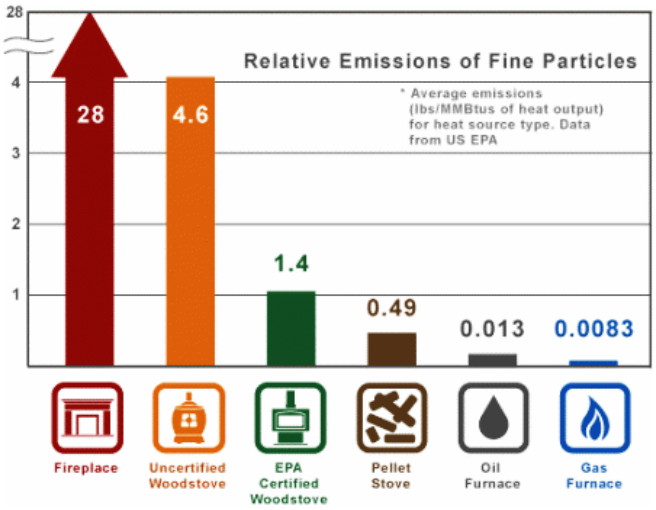
Outdoor Wood Boiler

What You Can Do

(from Washington State Department of Ecology (2012). How Wood Smoke Harms Your Health. https://fortress.wa.gov/ecy/publications/publications/91br023.pdf)

When choosing how to heat your home:

- Be sure your house is properly weatherized to keep in heat.
- Instead of wood heat, consider cleaner heating fuels such as gas, electricity, or heating oil.



If you must burn wood:

Burn dry wood:

- Split wood before you stack it. Wood pieces 3½ to 6 inches in diameter dry easiest and burn best.
- Stack wood loosely in alternating directions to help it dry.
- Store wood at least 6 inches off the ground to reduce exposure to ground moisture.
- Cover your wood to protect it from the weather.
- Give it a year. Wood that has been split, dried, and stored under cover for at least a year burns best.

Burn properly:

- Build small fires to help the wood burn completely.
- Adding too much wood at one time cuts down on the air to the fire and leaves unburned wood.
- Keep your fire hot. Dampering down your stove cuts off the air, which wastes wood, creates a lot of smoke, and produces very little heat.

Check your chimney smoke:

- If you can see smoke coming from your chimney, you're wasting fuel and your fire needs more air and/or drier wood.

Use the right wood stove, pellet stove, or fireplace for your home:

- Use a wood stove or pellet stove that is certified to be compliant with EPA 2020 standards

If wood smoke is a problem in your neighborhood:

- Reduce the amount of smoke you breathe by:
  - Exercising or doing other physical activities at times when less smoke is in the air;
  - Choosing a less strenuous activity when the air is smoky (for example, walking instead of jogging);
  - Exercising for shorter periods of time when the air is smoky;
  - Closing windows, vents, doors, and plugging drafts.

Any time:

- When using air cleaners in your home, make sure they have high efficiency particulate-absorbing (HEPA) filters.
- Use a vacuum cleaner that has a HEPA filter.
- Make sure filters are clean.

Resources:

- How to Implement a Wood-Burning Appliance Changeout Program https://www.epa.gov/sites/production/files/2015-08/documents/howtoimplementawoodstovechangeout.pdf
- EPA's Guide to Financing Options for Wood-burning Appliance Changeouts https://www.epa.gov/sites/production/files/2016-03/documents/epas_guide_to_financing_options.pdf
- Wood-Burning Changeout Resources for Tribes https://www.epa.gov/burnwise/wood-burning-changeout-resources-tribes
- Outdoor Burning Model Ordinance, A Guide for Michigan Counties, Cities, Villages, and Townships (includes verbiage for Outdoor Wood Furnaces, https://www.michigan.gov/documents/deq/deq-ess-caap-modelordinance_312507_7.pdf

Recommendations

1. Encourage local sale and use of EPA compliant wood stoves and changeout of noncompliant stoves.
2. Educate the community about wood smoke and consider local ordinances if necessary to protect public health.

Sources

- Alliance for Green Heath. https://forgreenheat.blogspot.com
- Environmental Protection Agency (EPA). Burn Wise https://www.epa.gov/burnwise
- Washington State Department of Ecology (2012). How Wood Smoke Harms Your Health. https://fortress.wa.gov/ecy/publications/publications/91br023.pdf
- Natural Resources and Environmental Protection Act (Excerpt) Act 451 of 1994, 324.5514, Sec. 5514 http://www.legislature.mi.gov/(S(022mjmaihp50uxxxnpohf3p0))/mileg.aspx?page=getobject&objectName=mcl-324-5514
- Email from Jenifer Dixon, Air Quality Compliance Assistance Specialist Environmental Support Office Michigan Department of Environmental Quality, January 11, 2019

Michigan Tick Identification and Testing Program: 2018 Summary

Michigan Department of Health & Human Services (MDHHS)

Emerging & Zoonotic Infectious Disease Section (EZID)

Introduction

The Michigan Tick Identification and Testing Program allows citizens, local health departments, and healthcare providers to submit ticks for identification by tick experts at the MDHHS EZID Section. The program also allows for the testing of blacklegged ticks for Lyme disease if the ticks are submitted alive and were removed off a person. The results of the identifications and testing allow Michigan healthcare providers to make informed medical follow-up decisions. It may also provide piece of mind in many cases where people think that they have been bitten by a Lyme disease vector, and EZID tick experts determine the species is not a vector. It may also help residents to make appropriate tick-bite prevention decisions. In addition, the data generated through the program allows EZID staff to follow-up with field investigations in cases where vector ticks are submitted from regions where blacklegged ticks have not been previously documented. Instructions for submission, and an order form for free, pre-assembled tick submission kits are available at www.michigan.gov/lyme.

In 2018, EZID staff assembled and mailed over 1500 submission kits, and identified approximately 900 submitted ticks. A new program for 2018 "Got a Tick, Submit a Pic" also accounted for an additional 160 ticks identified. As shown in Figure 1, 2017 and 2018 have seen significant increases in the number of ticks submitted to the program with over 1,000 ticks submitted each year. From 1999-2016 tick submissions to the program averaged 382 ticks per year.

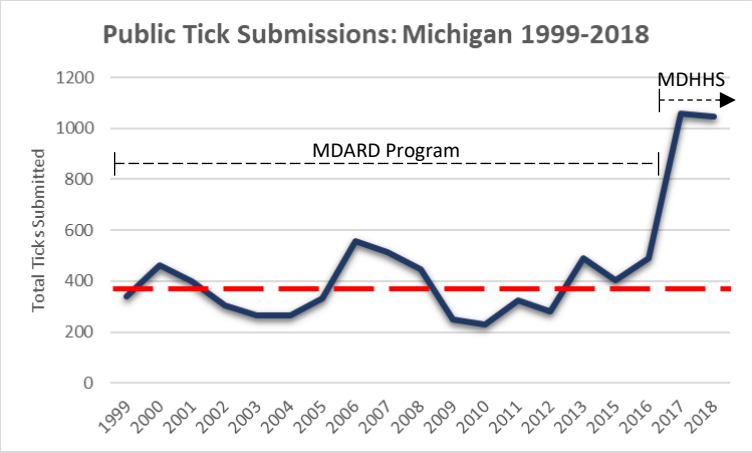


Figure 1. Number of ticks submitted to the Michigan Tick Identification and Testing Program from 1999-2018. From 1999-2016 the program was administered by the Michigan Department of Agriculture and Rural Development, MDHHS assumed responsibility for the program beginning in 2017.

The increase in tick submissions during 2017 and 2018 is likely due to several factors, including but not limited to:

- Increased promotion of the Tick Identification and Testing Program to local health departments, human and animal healthcare providers
- Increased media attention to the expansion of the blacklegged tick, and increasing Lyme disease incidence in Michigan
- Ease of submitting pictures of ticks via MDHHS-Bugs@michigan.gov
- Blacklegged tick populations expanding geographically
- Climate and habitat increasingly suitable for ticks in Michigan
- Increased opportunity for exposure, either peridomestic or through recreation

Species Summary - Abundance

In 2018, the two most common ticks submitted by the public were the American dog tick (*Dermacentor variabilis*) and the blacklegged tick (*Ixodes scapularis*). American dog ticks accounted for 65% of all ticks submitted, and the blacklegged tick accounted for 32% of ticks submitted. A summary of the five most common species in Michigan and their associated pathogens can be seen at the following link. While much attention is being paid to the blacklegged tick and its emerging role as a Lyme disease vector in Michigan, the apparent increase in ticks seen through the Tick Submission Program in 2017 and 2018 shows proportional increases in both major species. The historic rates of tick submissions for these two species can be seen in Figure 2.

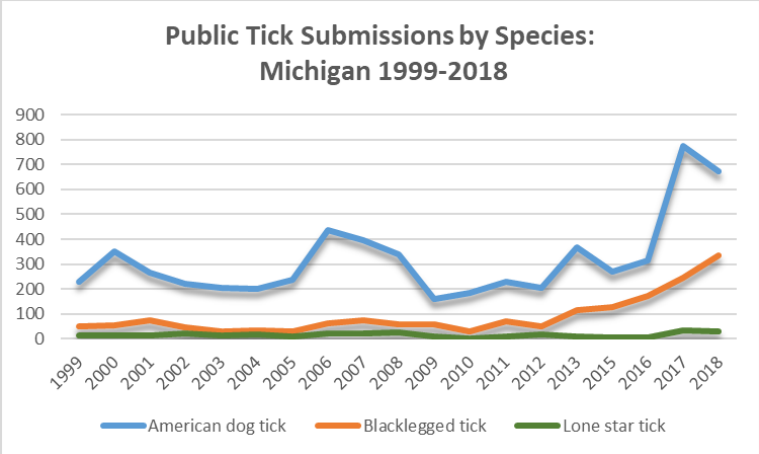


Figure 2. Public tick submissions by tick species from 1999-2018.

Species Summary – Seasonal Activity

Based upon the collection dates of American dog ticks and blacklegged ticks submitted to the EZID Section, a general seasonal activity chart was produced. Figure 3 illustrates the seasonal periods of increased risk for contacting these species in Michigan. Adult American dog ticks (the only stage readily found on people) emerge in early-Spring, peaking in the early-Summer, and are generally gone by August. Blacklegged ticks show a similar Spring-Summer peak with both adults and nymphs readily feeding on people. However, there is an additional Autumn peak of blacklegged tick adults that emerges in early-October and will be present until temperatures fall below 40 degrees consistently.

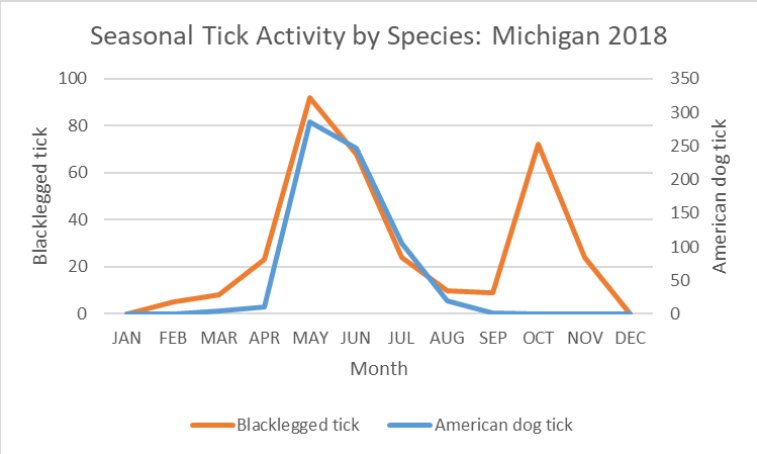


Figure 3. Seasonal tick activity for blacklegged ticks (orange) and American dog ticks (blue) in 2018.

Geographic Extent of Ticks and Lyme Disease

Table 1 details the number of ticks, by species, submitted to MDHHS from exposures in each Michigan county. To view a map of tick submissions in Michigan, click here. For the most current Michigan Lyme Disease Risk map, click here.

Table 1 – Top three tick species submitted for identification (and picture identification) to MDHHS EZID Section by county in 2018.

COUNTY	*LONE STAR TICK*	*AMERICAN DOG TICK*	*BLACKLEGGED TICK*	TOTAL TICKS	COUNTY	*LONE STAR TICK*	*AMERICAN DOG TICK*	*BLACKLEGGED TICK*	TOTAL TICKS
ALCONA	0	1	5	6	**LAKE**	0	3	0	3
ALGER	0	1	1	2	**LAPEER**	0	3 (3)	2	5 (3)
ALLEGAN	0	7 (2)	13	20 (2)	**LEELANAU**	0	1 (1)	10 (1)	11 (2)
ALPENA	0	5 (1)	0	5 (1)	**LENAWEE**	1	8 (8)	1	10 (8)
ANTRIM	0	0 (1)	0	0 (1)	**LIVINGSTON**	1	58 (5)	16	75 (5)
ARENAC	0	3	0 (1)	3 (1)	**LUCE**	0	4 (1)	0	4 (1)
BARAGA	0	0	0 (2)	0 (2)	**MACKINAC**	0	3	0	3
BARRY	0	4	7	11	**MACOMB**	2	22 (8)	1	25 (8)
BAY	0	1	0	1	**MANISTEE**	0	3	7 (3)	10 (3)
BENZIE	0	5 (1)	5	10 (1)	**MARQUETTE**	0	4	6 (1)	10 (1)
BERRIEN	0	2	7 (3)	9 (3)	**MASON**	0	2 (2)	4 (1)	6 (3)
BRANCH	0	0	0	0	**MECOSTA**	0	3	1	4
CALHOUN	0	5	2 (1)	7 (1)	**MENOMINEE**	0	1	1	2
CASS	0	1 (1)	0	1 (1)	**MIDLAND**	0	3	4 (1)	7 (1)
CHARLEVOIX	0	3 (1)	3	6 (1)	**MISSAUKEE**	0	5	1	6
CHEBOYGAN	0	9 (4)	1	10 (4)	**MONROE**	0	16	2	18
CHIPPEWA	0	1 (2)	0	1 (2)	**MONTCALM**	0	1	3	4
CLARE	0	4	0	4	**MONTMORENCY**	0	3	0	3
CLINTON	0	12	5	17	**MUSKEGON**	1	5 (1)	3 (2)	9 (3)
CRAWFORD	0	4 (1)	0	4 (1)	**NEWAYGO**	0	2 (3)	0	2 (3)
DELTA	0	1	2	3	**OAKLAND**	3	56 (17)	12 (1)	71 (18)
DICKINSON	0	1	42	43	**OCEANA**	0	2	3 (1)	5 (1)
EATON	0	7 (3)	0	7 (3)	**OGEMAW**	0	7 (1)	1	8 (1)
EMMET	0	2	0	2	**ONTONAGON**	0	1	1	2
GENESEE	1	14 (3)	1	16 (3)	**OSCEOLA**	0	6	1	7
GLADWIN	0	5 (1)	0 (1)	5 (2)	**OSCODA**	0	3	0	3
GOGEBIC	0	0 (1)	0	0 (1)	**OTSEGO**	0	7	0	7
GRAND TRAVERSE	0	3	5	8	**OTTAWA**	0	17 (3)	19 (1)	36 (4)
GRATIOT	0	1 (1)	1	2 (1)	**PRESQUE ISLE**	0	2	1	3
HILLSDALE	2	1	0	3	**ROSCOMMON**	0	2	0	2
HOUGHTON	0	1	1	2	**SAGINAW**	0	9 (2)	1 (1)	10 (3)
HURON	0	1	2	3	**SANILAC**	0	1	2	3
INGHAM	0	16 (1)	10 (1)	26 (2)	**SCHOOLCRAFT**	0	2 (1)	3	5 (1)
IONIA	0	6	0	6	**SHIAWASSEE**	1	8	4	13
IOSCO	0	6	4	10	**ST. CLAIR**	0	7 (2)	0	7 (2)
IRON	0	0 (1)	1	1 (1)	**ST. JOSEPH**	0	1	4	5
ISABELLA	0	1 (1)	0	1 (1)	**TUSCOLA**	0	1 (1)	0	1 (1)
JACKSON	0	13	5	18	**VAN BUREN**	1	1	1	3
KALAMAZOO	0	5	21 (1)	26 (1)	**WASHTENAW**	0	55 (19)	25 (6)	80 (25)
KALKASKA	1	1	0	2	**WAYNE**	0	32 (7)	1	33 (7)
KENT	0 (1)	21 (5)	9 (1)	30 (7)	**WEXFORD**	0	3 (1)	2	5 (1)
KEWEENAW	0	0	0	0	**GRAND TOTAL**	**14 (3)**	**547 (120)**	**296 (29)**	**857 (153)**

Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

QUARTERLY SERVICE REPORT

FY 18/19
First Quarter, October 1, 2018 - December 31, 2018

This report provides information regarding essential programs operated by the Mid-Michigan District Health Department, on a county-by-county and a district-wide basis. Planned and actual service activities by program are included. Data is also organized in columns to provide comparisons of program data over two (2) periods: 1) Current Quarter and 2) Year-To-Date/Same Period, Previous Year. For additional information or clarification of the data presented in this report, please contact the Health Officer at (989) 831-3614.

COMMUNITY HEALTH AND EDUCATION PROGRAMS ..... Pages 1 & 2

ENVIRONMENTAL HEALTH PROGRAMS ..... Page 3

Dated: January 23, 2019

Mark W. (Marcus) Cheatham, Ph.D.
Health Officer

Mid-Michigan District Health Department
Program Listing

Community Health and Education Division Programs

WOMEN, INFANT AND CHILDREN (WIC) NUTRITION PROGRAM: The WIC program is a federally-funded health and nutrition program designed to improve health outcomes for eligible women, infants and children. This is accomplished by providing nutritious food, nutrition education, breastfeeding promotion and support, and referrals to health and other services. Each year, the clients spend approximately $2.7 million worth of benefits in the local stores and food panties throughout our district.

FLUORIDE VARNISH PROGRAM: The Fluoride Varnish program provides dental screenings and fluoride varnish applications to children 0-5 years of age. Fluoride varnish is a material that is painted on teeth to prevent decay. The services are provided in the WIC clinics, Head Start centers and Great Start Readiness Preschools.

FAMILY PLANNING (FP) PROGRAM: FP services help women and men determine if and when they want to have a child. Services include screening for breast and cervical cancer, sexually transmitted infections (STI's) and other health issues, in addition to providing a full range of birth control information and supplies. The program promotes maternal health through client education, counseling and referral to community resources for social and medical issues. Services are strictly confidential and provided on a sliding fee scale.

CHILDRENS SPECIAL HEALTH CARE SERVICES (CSHCS): The Mid-Michigan District Health Department (MMDHD) serves as the local representative for the Michigan Department of Community Health CSHCS program. CSHCS are for children and some adults with special health care needs. Family-centered services include case management and care coordination to assist families in accessing and navigating complex medical specialty systems. Clients are assessed and referred to community resources.

INTERNATIONAL BOARD CERTIFIED LACTATION CONSULTANT®: Providing expert breastfeeding support and education. Serving pregnant and breastfeeding women with or without insurance. Client can be seen in our office or the comfort of their own home. Lactation consultant has personal breastfeeding experience.

IMMUNIZATION PROGRAM: The Immunization Program provides vaccinations for preventable diseases for children, teens and adults. The Vaccines for Children (VFC) program provides vaccines at no cost to eligible children, from birth through 18 years of age, who are on Medicaid, have no health insurance, or meet other qualifying conditions.

ACUTE COMMUNICABLE DISEASE/TB CONTROL PROGRAM: The Communicable Disease (CD) program provides surveillance, reporting, controlling and preventing infectious diseases in the community. The TB Control program provides diagnosis, treatment and prevention of tuberculosis in cooperation with the family physician and or the MMDHD Medical Director. Medication is provided for treatment and prevention of TB.

Revised: July 2018

Mid-Michigan District Health Department
Program Listing

SEXUALLY-TRANSMITTED INFECTIONS (STI)/HIV COUNSELING, TESTING and CONTROL PROGRAM: STI services include diagnosis, treatment, counseling and partner notification for STI exposures. STI prevention education is provided with the goal of decreasing costly complications from infections, and saving substantial public and private healthcare dollars. Services are strictly confidential. Anonymous and confidential HIV counseling and testing is also provided. Clients needing treatment or follow-up are referred to the regional provider of these services.

HEARING SCREENING PROGRAM: By law, all children must be screened for hearing at least once between the ages of three and five years old, in kindergarten, second, and fourth grades. Early identification of hearing problems can prevent developmental, social and emotional delays. Children identified with hearing problems are referred to physicians for further evaluation.

VISION SCREENING PROGRAM: Vision screening takes place at least once between the ages of three and five years old, first, fifth, and seventh grades. Early identification of vision problems can enhance academic achievement and prevent permanent loss of vision. Children identified with vision problems are referred for follow-up.

PATHWAYS TO BETTER HEALTH: Home visits by a Community Health Worker to provide referrals to community services, link clients with primary care and preventive health care services, as well as reduce unneeded hospitalizations and emergency room visits. The goal is to connect clients to services to enhance health outcomes.

Mid-Michigan District Health Department
Program Listing

Environmental Health Division Programs

FOOD SERVICE SANITATION PROGRAM: Periodic inspections of food service establishments, and mobile food units for compliance with public health standards; includes recommendations for licensures, review of plans and specifications for new and remodeled establishments, educational activities, and inspections of temporary food service events.

ON-SITE SEWAGE DISPOSAL PROGRAM: Assures the adequate and proper disposal of wastewater in areas not served by public sewage systems; accomplished through proper design, inspection and management of various methods of sewage effluent disposal.

WATER QUALITY CONTROL (PRIVATE, PUBLIC, AND NON-COMMUNITY WATER SUPPLY PROGRAM): Protects sources of drinking water, assures proper plugging of abandoned wells, and assures private/public water supplies are constructed, maintained, and operated in compliance with state and federal safe drinking water supply standards. Inspections, consultations, and water system approvals are activities included within the program.

NUISANCE ABATEMENT PROGRAM: Investigation and management of complaints alleged, including public or private nuisances or unsanitary conditions.

Quarterly Service Report

Mid-Michigan District Health Department

Community Health & Education Services

District Wide (DW)

QTR Verified by Div Dir			
1st	2nd	3rd	4th
x			

COMMUNITY HEALTH & EDUCATION PROGRAMS	Clinton 2018/2019				Gratiot 2018/2019				Montcalm 2018/2019				DW Year To Date 2018/2019				YTD FY Total	FY Goal	DW Prev. Year to Date 2017/2018			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			1st	2nd	3rd	4th
WOMEN, INFANTS & CHILDREN																						
A. Clients Served	777				1052				1504				3333	0	0	0	**3333**	**3700**	3605	3583	3516	3505
B. Client Visits	878				1040				1540				3458	0	0	0	**3458**	**14800**	3736	3583	3644	3587
FAMILY PLANNING																						
A. Clients Served	83				114				105				302	0	0	0	**302**	**650**	296	288	294	298
B. Client Visits	84				127				120				331	0	0	0	**331**	**1400**	328	327	343	330
IMMUNIZATION																						
A. Clients Served	392				357				379				1128	0	0	0	**1128**	**3000**	890	602	592	830
B. Client Visits	421				379				399				1199	0	0	0	**1199**	**3200**	951	645	632	877
C. Immunizations Administered	655				604				700				1959	0	0	0	**1959**	**5700**	1802	1232	1257	1584
CHILDREN SPECIAL HEALTH CARE																						
A. Clients Served	122				85				177				384	0	0	0	**384**	**720**	353	397	422	406
B. Billable Client Contacts	15				14				15				44	0	0	0	**44**	**400**	71	81	64	45
C. Non-Billable Client Contacts	202				131				237				570	0	0	0	**570**	**2000**	584	680	727	597
COMMUNITY HEALTH WORKER																						
A. Active Clients													0	0	0	0	**0**	**N/A**	124	113	61	72
B. In Person Client Contacts													0	0	0	0	**0**	**N/A**	172	211	194	96
COMMUNICABLE DISEASE/TB CONTROL																						
A. Case Count	183				43				155				381	0	0	0	**381**	**N/A**	360	465	360	435
SEXUALLY TRANSMITTED DISEASE CONTROL																						
A. Clients Served	13				25				28				66	0	0	0	**66**	**N/A**	53	48	46	63
B. Client Visits	13				25				28				66	0	0	0	**66**	**N/A**	53	48	46	63

Quarterly Service Report

Mid-Michigan District Health Department

Community Health & Education Services

District Wide (DW)

QTR Verified by Div Dir			
1st	2nd	3rd	4th
x			

COMMUNITY HEALTH & EDUCATION PROGRAMS	Clinton 2018/2019				Gratiot 2018/2019				Montcalm 2018/2019				DW Year To Date 2018/2019				YTD FY Goal	FY Goal	DW Prev. Year to Date 2017/2018			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			1st	2nd	3rd	4th
HEARING SCREENING																						
A. # of Screenings	1093				1010				2036				4139	0	0	0	**4139**	**8000**	3221	3211	1657	581
VISION SCREENING																						
A. # of Screenings	1677				926				1547				4150	0	0	0	**4150**	**12200**	4351	4817	3254	644
FLUORIDE VARNISH																						
A. # of Clients Served during Clinic	9				22				92				123	0	0	0	**123**	**300**	58	177	133	169
BLOOD LEAD																						
A. Clients Served	69				79				152				300	0	0	0	**300**	**1000**	273	292	270	335
BREAST & CERVICAL CANCER CONTROL																						
A. Clients Served	4				6								10	0	0	0	**10**	**30**	8	6	9	8
HIV SCREENING																						
A. Clients Served	3				7				5				15	0	0	0	**15**	**N/A**	12	6	13	10
LACTATION CONSULTANT (IBCLC)																						
A. Clients Served	0				7				10				15	0	0	0	**15**	**104**	N/A	N/A	4	13
B. Client Visits	0				9				11				20	0	0	0	**20**	**150**	N/A	N/A	5	22

Note: there were 3 clients served/visits for STD from Shiawassee that were not included in the data. There were 10 clients served & 11 visits for FP from Shiawassee that were not included in the data.

Note: data for CHW's will be available for the 2nd quarter in Patagonia. There is no data for the 1st quarter due to withdrawing from the HUB.

Quarterly Service Report

Mid-Michigan District Health Department

Environmental Health Services

District Wide (DW)

QTR Verified by Div Dir			
1st	2nd	3rd	4th
x			

ENIVRONMENTAL HEALTH PROGRAMS	Clinton 2018/2019				Gratiot 2018/2019				Montcalm 2018/2019				DW Year To Date 2018/2019				YTD FY Total	FY Goal	DW Prev. Year to Date 2017/2018			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th			1st	2nd	3rd	4th
FOOD SERVICE SANITATION																						
A. # of Licensed Establishments (Fixed, Vending, Mobile)	203				138				189				530	0	0	0	**530**	**530**	506	531	537	546
B. # of Temporary Food Licenses	13				19				13				45	0	0	0	**45**	**170**	37	12	40	87
C. # of Completed Inspections (Fixed, Vending, Mobile)	99				51				61				211	0	0	0	**211**	**N/A**	295	227	285	253
1. Routine	83				47				52				182	0	0	0	**182**	**N/A**	269	190	269	230
2. Follow-up	16				4				9				29	0	0	0	**29**	**N/A**	26	37	26	23
E. Licensed Establishment Plan Review	3				0				6				9	0	0	0	**9**	**30**	7	12	10	11
F. Enforcement Activities	0				0				0				0	0	0	0	**0**	**N/A**	0	3	3	0
G. # of Advanced Food Training Participants	26				6				18				50	0	0	0	**50**	**TBD**	47	15	59	44
ON-SITE SEWAGE DISPOSAL																						
A. # of Permit Applications Issued	34				12				59				105	0	0	0	**105**	**347**	110	59	176	149
B. Parcels Evaluated (vacant lands)	56				12				65				133	0	0	0	**133**	**130**	121	77	215	183
C. Inspections Conducted during and/or after construction	43				9				86				138	0	0	0	**138**	**N/A**	118	39	150	206
WATER QUALITY CONTROL (Private, Public, Non-Comm)																						
A. # of Permit Applications Issued	19				17				59				95	0	0	0	**95**	**540**	126	95	189	204
B. # of Site Inspections of Completed Water Well Systems	30				20				100				150	0	0	0	**150**	**100%**	124	98	89	112
C. # of Approvals Issued for Newly Completed Water Well Systems	15				10				88				113	0	0	0	**113**	**80%**	81	90	71	63
NUISANCE ABATEMENT																						
A. # of Complaints Submitted	10				7				20				37	0	0	0	**37**	**N/A**	59	29	49	41
1. Initial Visit	5				1				16				22	0	0	0	**22**	**N/A**	39	24	43	37
2. Follow-up Visit	7				0				8				15	0	0	0	**15**	**N/A**	20	43	39	58

Make Professional Development One of Your New Year's Resolutions

If professional development is one of your New Year's resolutions, make plans to attend NACCHO Annual 2019, July 9–11 in sunny Orlando. Get together with other local public health professionals to discuss key public health issues affecting communities across the nation. Learn the latest innovations and discover new evidence-based strategies to implement in your own organization.

This year's conference will highlight the importance of multi-sectoral partnerships to improve health outcomes throughout the country. Start making your plans to join hundreds of public health professionals just like you who are seeking new ways to improve health outcomes.

Register by May 18 to take advantage of early-bird rates.

Questions? E-mail nacchoannualreg@naccho.org.

Showcase Your Products and Services at NACCHO Annual

Learn why NACCHO Annual 2019 is the prime location to exhibit your services and products to over 1,100 attendees.

- Increase brand awareness simply by being in attendance.
- Understand the policy issues that are being discussed within government circles.
- Increase your exposure to public health professionals with significant purchasing power.
- Discover what trends and issues your customers are discussing in the public health community.
- Give your potential clients hands-on access to your products.
- See what your competitors are doing.

Learn more about exhibit pricing, the schedule, and demographics.

Other News You Can Use

NACCHO Launches ASPIRE Award to Recognize Upstream Work in Local Communities
NACCHO and the Centers for Disease Control and Prevention recently launched the Achieving SDOH Population Improvement in Rural Environments (ASPIRE) award. The goal of the ASPIRE Award is to recognize excellence in rural communities that are committed to addressing the social determinants of health (SDOH). Up to five local health departments will be recognized and awarded with $5,000. **Learn more and apply by Jan. 25.**

Million Hearts® in Municipalities Funding Opportunity
NACCHO, in collaboration with the Centers for Disease Control and Prevention, is offering a new funding opportunity for governmental public health to prevent cardiovascular disease and implement Million Hearts® 2022 strategies in communities. Up to five entities will be awarded up to $10,000 each and will receive technical assistance. **Learn more and apply by Jan. 17.**

NACCHO
National Association of County & City Health Officials
The National Connection for Local Public Health

www.naccho.org

Public Health
Prevent. Promote. Protect.

The mission of the National Association of County and City Health Officials (NACCHO) is to improve the health of communities by strengthening and advocating for local health departments.

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Tentative One (1) Day Accreditation Review Schedule
Mid-Michigan District Health Department
Powers & Duties

The schedule below has been designed to facilitate a one (1) day review for Powers & Duties.

Please be prepared to share LHD accomplishments that you believe merit special recognition. Please have 3-5 points for each MPR that you feel merit recognition prepared in advance.

Monday, February 4, 2019

Below is a tentative schedule. Please note, while we have allocated 9:00A-5P for the discussion, the review can typically be completed around 1PM if the members of your team that are being interviewed are prepared to discuss 3-5 points per indicator that your agency feels deserves special recognition and we work through the noon lunch hour.

We understand the time limitations that your staff may have due during an accreditation visit. As such, we will accommodate their schedule. Please let me know at least a week in advance of any time limitations for you or your personnel.

Your reviewer, Laura de la Rambelje, will arrive at approximately 9:00AM.

I. MDHHS Review of LHD Documentation (if necessary)
II. Brief Orientation (if requested)
III. MPR **1.1** (Enforcement of Laws)
IV. MPR **1.2** (Utilization of Vital and Health Statistics)
V. MPR **1.3** (Outbreak Investigation)
VI. MPR **1.4** (Health Education & Promotion)
VII. MPR **1.5** (Provision of Required Services)
VIII. MPR **1.6** (Plan of Organization)
IX. MPR **1.7** (Nutrition Services)
X. Exit Interview Preparation
XI. Exit Interview

We will review your LHD website, Plan of Organization, latest annual report, and other assessments before arrival. During our discussion with you and/or your staff, we will seek a dialogue about each of the indicators and how you practice them in your daily activities. We recognize that your LHD has other responsibilities during the week of the Accreditation on-site review and we will make every effort to adjust this schedule according to your preferences.

You may feel free to have any members of local governing entity attend the Powers & Duties review.

Please let us know if you have any questions or comments (Laura de la Rambelje, delaRambeljeL@michigan.gov)

2019 State Accreditation Schedule

Monday, January 28:

Program	Staff Participating	Program Reviewers	Location/Time
Hearing	Stacey Peterman, Jeanette Sternhagen, Jennifer Stratton, Andrea Tabor, Mary Wallen	Jennifer Dakers dakersj@michigan.gov	CBO Conference Room A (AM only)
Vision	Stacey Peterman, Jeanette Sternhagen, Jennifer Stratton, Andrea Tabor, Mary Wallen	Rachel Schumann schumannr@michigan.gov	CBO Conference Room A (PM only)

Wednesday, January 30:

Program	Staff Participating	Program Reviewers	Location/Time
Onsite Wastewater	Lonnie Smith, Liz Braddock	Dale Ladouceur LADOUCEURD@michigan.gov	MBO Conference Room C (all day)

Monday, February 4:

Program	Staff Participating	Program Reviewers	Location/Time
Powers & Duties	Melissa Bowerman, Liz Braddock, Marcus Cheatham, Rex Hoyt, Dena Kent, Norm Keon, Angie Martin, Jennifer Morse, Ross Pope, Andrea Tabor, Cheryl Thelen	Laura de la Rambelje delarambelje@michigan.gov Janine Whitmire whitmirej@michigan.gov	MBO Conference Room A (all day)
CSHCS	Laurie Finn, Peggy Fox, Linda Gronda, Jamie Sawdy, Laureen Simon, Jennifer Stratton	Amanda Larraga LarragaA@michigan.gov Valerie Newton Newtonv1@michigan.gov Shombrieka Williams Williamss59@michigan.gov	GBO Conference Room A (all day)
Food Service	Bryan Fowler, other field staff TBD	Amanda Garvin Rodney Blachard greens2@michigan.gov	GBO Conference Room B (all day)

Tuesday, February 5:

Program	Staff Participating	Program Reviewers	Location/Time
Immunizations	Sue Corrigan, Sarah Doak, Lisa Mikesell, Andrea Tabor, Courtney Beagle	Pattie Schneider schneiderp@michigan.gov	CBO Conference Room A (all day)
Food Service	Bryan Fowler, other field staff TBD	Shane Green greens2@michigan.gov	GBO Conference Room A (all day)

Wednesday, February 6:

Program	Staff Participating	Program Reviewers	Location/Time
Family Planning	Jen Efaw, Becky Stoddard, Andrea Tabor, Melissa Bowerman	Barbara Derman dermanb@michigan.gov Jessica Hamel hamelj5@michigan.gov	GBO Conference Room B (all day)

Thursday, February 7:

Program	Staff Participating	Program Reviewers	Location/Time
HIV/AIDS & STD	Jen Efaw, Becky Stoddard, Andrea Tabor	Irda Kape kapei@michigan.gov	GBO Conference Room A (all day)
Family Planning	Jen Efaw, Becky Stoddard, Andrea Tabor	Barbara Derman dermanb@michigan.gov Jessica Hamel hamelj5@michigan.gov	GBO Conference Room B (all day)

Friday, February 8:

Program	Staff Participating	Program Reviewers	Location/Time
CD	Sarah Doak, Norm Keon, Lisa Mikesell, Jennifer Morse, Jamie Shepler, Becky Stoddard, Andrea Tabor	Shannon Andrews Johnson Johnsons61@michigan.gov Plus 5 other reviewers	**Reviewed remotely.** GBO Conference Room A (AM Only)

Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

MARK W. (MARCUS) CHEATHAM, PH.D.
Health Officer

JENNIFER MORSE, MD, MPH, FAAFP
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615 N. State St.
Stanton, MI 48888-9702

BOARD OF HEALTH
George Bailey
Bruce DeLong
Betty Kellenberger
Chuck Murphy
Adam Petersen
Dwight Washington, Ph.D.

Board of Health Action Sheet

January 23, 2019

ADMINISTRATOR: Mark W. (Marcus) Cheatham, Ph.D., Health Officer

SUBJECT: Surface Water Program

☐ **Information Only** ☒ **Action Needed**

I. Authority For This Action:

☒ Local Policy
☐ Law or Rule Public Health Code, Act 368 of 1978, MCL 333.2417

II. Summary:
(Previous Board action relating to this item? Background information and if any future action anticipated.)

The Health Department has worked for five years to try to understand whether there is a health threat posed by human E. coli in the surface waters of the District. Extensive research was conducted on our behalf by Public Sector Consultants, our County Conservation Districts and the Michigan Department of Environmental Quality (MDEQ). After learning that human E. coli is a problem, the Board of Health (BOH) asked a stakeholder group convened by Public Sector Consultants for recommendations about what to do about it. They recommended amending our Environmental Health Regulations by adding a new Chapter 7 that would require homeowners to report to the Department whether they have a non-compliant system on a periodic basis. This activity would have been supported by fees.

The BOH properly held two public hearings on the proposed amendment. Both hearings were well attended and there was heated criticism of the proposal. After careful consideration and discussion, Liz Braddock and I now believe that many of the criticisms of the proposed amendment made by the public are, in fact, correct.

Therefore, we recommend that the BOH consider changing directions. Rather than just adopting an amendment to our Regulations, we strongly suggest that the Board consider standing up a water program within the Department to deal with the many challenges posed by failed and non-existent septic systems in a comprehensive and definitive manner. This would include hiring a full time Water Program Manager. Additional details of how this could be done are included below.

III. Strategic Objective, Health Issue, or other Need Addressed:
(What priority should be given in relation to goals? Include reason for recommending change in priorities and how the need will be introduced into planning process.)

The public objected to the proposed amendment for two main reasons and one other one:

a. Within our district, 85 to 90 percent of homeowners have systems operating as designed. They objected to having to pay a fee to be included in the program even though they are already paying to maintain their systems. It is easy to remove these households from the program because we have records on file for them. However, taking them out removes the fee revenue that would have supported the program.

b. The public complained that most of the households that would have been found to have non-compliant systems would be low income. In addition to the fee, they would have to pay anywhere from $10,000 - $30,000, sometimes more, to install or repair a system. They complained that it is not fair that most of the cost of these improvements would be borne by those least able to pay.

c. The public complained that there are likely other sources of contamination in the rivers including the land application of septage and agriculture, especially the spreading of manure from combined animal feeding operations (CAFOs). The public questioned why we didn't look at these sources, too.

In addition to these complaints, Liz and I think there are two other challenges the Department would have faced in implementing the program that we had underestimated:

d. According to the findings of the *Failing Septic Systems* report, it is likely that there are more than 4,000 non-compliant systems in the District. It is unlikely that MMDHD would have been able to manage the large number of non-compliant systems that would have been found, or else we might have failed to keep up with the program, failing to find many non-compliant systems. If MMDHD was unable to bring most of these homes into compliance, it would have put us in violation of State minimum program requirements calling our Accreditation status into jeopardy.

e. Given what was said above, it is likely we would discover about 400 non-compliant systems per year. If half of the households identified needed financial assistance, then as much as 4 million dollars per year could be required to help keep people in their homes. It is certain MMDHD would not be able to find such funding.

After thinking carefully about these criticisms and challenges, we recommend that the department move away from the concept of a simple fee-based amendment, and move toward standing up a more comprehensive water program to better manage the queue of households, to ensure adequate funding for septic installations and repairs and to look at all the potential sources of contamination.

The water program would have three areas of focus:

1. **Targeted inspections of properties likely to have non-compliant disposal systems**. MMDHD would use its existing records to identify properties for which the occupants had not had contact with the Health Department with respect to their septic system. Almost certainly, these properties will be found to not have a system. To this could be added, for example, properties with permitted systems more than 30 years old which almost certainly will have failed. MMDHD will target properties in vulnerable aquifers in order to make a rapid improvement in water quality. It will also manage the number of properties to ensure it can keep up with the workload and that sufficient financial assistance is available for distressed homeowners.

2. **Financial Assistance.** Perhaps the most important aspect of the water program would be identifying and making available in a stream-lined manner as much financial assistance as possible. This could include funding currently available from the United States Department of Agriculture (USDA), funding from the

United States Department of Housing and Urban Development (HUD) available through matching grants to counties; and the establishment of new programs, such as low or no-interest revolving loans. Importantly, the water program could also help seek assistance for lakes and villages that need to construct sewers and lagoon system.

3. **Other Sources of Contamination.** Mid-Michigan citizens' groups active on water issues are concerned about other sources of contamination such as land application of septage and CAFOs. They sometimes struggle to get access to accurate information and to find strategies for addressing these issues. The public is right: we should be looking into other potential sources; and we can. First of all, MMDHD regulates land application and ensures that this happens safely and legally; and while we don't have jurisdiction over agriculture, we can act as a source of accurate information and help them interact with the State agencies that do so.

We believe we can conduct this work under our powers in the existing public health code. MCL 333.2446 says in part:

"Inspection or Investigation. To assure compliance with laws enforced by a local health department, the local health department may inspect, investigate, or authorize an inspection or investigation to be made of, any matter, thing, premise, place, person, record, vehicle, incident, or event…"

The Mid-Michigan District Health Department's Environmental Health Regulations, Chapter 3, Section 1.2 says in part:

"Connection Required. All facilities such as flush toilets, urinals, lavatories,… from which sewage emanates shall be connected to a private sewage disposal system…"

Section 1.4 states:

"Permits. No person shall construct, alter or extend any on-site sewage disposal system unless he/she has obtained a permit issued by the Health Officer and/or their authorized representative."

Sections 4.1 and 4.2 describe the construction requirements of septic tanks and drain fields in detail.

It is our contention that the Environmental Health Regulations constitute laws which we must enforce and that the presence of E. coli in the water is evidence that we must investigate properties likely to be in violation of the law as stated in the Public Health Code. Thus, we argue, we currently have the authorities we need to operate a water program that would include identifying properties likely to not have systems that comply with the law.

It is likely that some kind of amendment to our regulations would still be important. This is because, under the Conservation Districts' 319 grants, a properly worded amendment would enable residents to have access to additional dollars from MDEQ for septic repairs. Recall that, in fact, this is the reason the Clinton Conservation District has funded the effort to amend the regulations in the first place. What we would propose is to work with MDEQ to find out what kind of language would enable residents to get access to those funds without placing excessive additional burdens on the lowest income people.

IV. Fiscal Impact and Cost:
(Immediate, ongoing, and future impact.)

The water program would be created by hiring and assigning a sanitarian, full-time, to operate the program: conducting investigations, seeking financial assistance for homeowners and communities and working with environmental groups to understand and address CAFO issues.

A Sanitarian I position costs $58,018 for the current fiscal year. We believe that a requested increase to cover the sanitarian is more than justified, because county appropriations have not kept up with inflation. In 2000, the total county appropriation was $843,327. It rose to $1,115,478 by 2018. However, the inflation adjusted appropriation should have been more. It should have been $1,229,736, for a total difference between the actual and inflation adjusted appropriation of $114,258, double the amount needed to hire a sanitarian.

We suggest that the cost of this position be divided among the counties by proportion of the population as we do for many items already in the funding formula. We suggest this for two reasons:

1. Clean water is a public good—everyone benefits regardless of where they live. For example the Maple River flows south into Clinton County and so Clinton County benefits from septic improvements that happen in the other two counties.

2. One problem we face is the relative scarcity of resources in counties with lower per capita income. For example, despite institutional will to do so, Montcalm was not able to pay its full appropriation last year. The shortfall in Montcalm's appropriation is about $30,000 and it is covered by supplemental fees. For them, just paying the full appropriation will be a heavy lift. We can ask Montcalm to pay the full appropriation next year, and use supplemental fees to pay for their share of a sanitarian and that will help to bring them back in line with the other counties. If Montcalm did this, the burden of supplemental fees on clients would actually be reduced.

If the cost of a sanitarian is divided in this way, the counties would pay the following amounts in the form of increases in their appropriations: Clinton: $24,660; Gratiot: $13,292; Montcalm: $20,065. Such an apportionment would mean the citizens in the three counties were all paying the same per capita for the program.

V. Alternatives Considered:
(Scope of options reviewed. Reasons for rejecting alternatives.)

Two alternatives to creating a water program include:

1. Continue to pursue a fee-based amendment to our regulations.
2. Do nothing.

We believe this Board does not think doing nothing is acceptable. We know the water is impaired; and we are charged with taking action to improve public health.

We believe we have shown that creating a water program would do much, maybe more than a fee-based amendment, while avoiding many of the logistical pitfalls we outlined here. We further believe the program approach is more just. It avoids creating costs to homeowners we know would inevitably weigh heaviest on those least able to pay.

VI. Recommendation:
(Advantages/benefits of proposal. Expected results. Possible problems or disadvantages of proposal. Effect of action on agency. Consequences of not approving recommendation or taking action.)

We recommend the Board approve hiring a sanitarian to create a water program in its next fiscal year budget and recommend to the County Boards of Commissioners the increases in the appropriations outlined above to fund it.

VIII. Monitoring and Reporting Time Line:
(Evaluation method and timeline. Next report to the Board.)

If the BOH approves this approach, we would have much work to do to get ready for implementation of the program. This would include developing the methodologies for monitoring and reporting. Things that we would want to know about would include:

1. The number of properties with non-conforming systems identified and the number remediated.
2. The amount of financial assistance received verses the need.
3. Changes in human E. coli in waterways.

If approved, we would work over the next eight months to create these systems so that we could report to the Board on the program's performance.

Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

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Health Officer

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BOARD OF HEALTH
George Bailey
Bruce DeLong
Betty Kellenberger
Chuck Murphy
Adam Petersen
Dwight Washington, Ph.D.

MID-MICHIGAN DISTRICT HEALTH DEPARTMENT
PUBLIC NOTICE
of
FINANCE COMMITTEE AND REGULAR
BOARD OF HEALTH MEETINGS FOR 2019

Finance Committee meetings held at 8:30 a.m. and Regular meetings held at 9:00 a.m. on the fourth Wednesday of every month, except for December.

January 23rd	Administrative Offices, Stanton
February 27th	Clinton County Branch Office, St. Johns
March 27th	Gratiot County Branch Office, Ithaca
April 24th	Administrative Offices, Stanton
May 22nd	Clinton County Branch Office, St. Johns
June 26th	Gratiot County Branch Office, Ithaca
July 24th	Administrative Offices, Stanton
August 28th	Clinton County Branch Office, St. Johns
September 25th	Gratiot County Branch Office, Ithaca
October 23rd	Administrative Offices, Stanton
November 27th	Clinton County Branch Office, St. Johns

Finance Committee at 9:30 a.m., Regular Meeting at 10:00 a.m.

December 18th	Gratiot County Branch Office, Ithaca

This meeting is open to all members of the public under Michigan's Open Meetings Act. The Mid-Michigan District Board of Health will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired interpreters, and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon one (1) week's notice. Individuals with disabilities requiring auxiliary aids or services should contact the Mid-Michigan District Board of Health by emailing, writing, or calling:

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Mid-Michigan District Board of Health
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Mid-Michigan District HEALTH DEPARTMENT
CLINTON • GRATIOT • MONTCALM

MID-MICHIGAN DISTRICT BOARD OF HEALTH

ACTION ITEMS

DECEMBER 2018

- **The Board of Health (BOH) approved and placed the Monthly Balance Sheet, Revenue and Expenditure Report for September on file and tabled the Monthly Balance Sheets, Revenue and Expenditure Reports for October and November to the January BOH meeting, and placed $100,825.06 of the surplus in unrestricted fund balance.**

- **The agency's Financial Status Report for FY 17/18 was accepted and placed on file.**

- **The BOH authorized Melissa Bowerman to open a new surplus division with the Municipal Employees Retirement System (MERS) and fund it with $500,000 from the retirement fund balance.**

- **The BOH adopted the following Monthly Healthy Living Recommendation for January 2019:**

  1. ***Continue focused efforts on preventable causes of death, such as suicide prevention and drug overdose.***

  2. ***Continue to foster access to mental health services, efforts toward community wellbeing, and mental wellness.***

- **The BOH scheduled their Organizational Meeting for Wednesday, January 23, 2019 at 9 a.m. at the Administrative Offices in Stanton.**

- **The BOH accepted and placed the BOH Actions Summary for FY 17/18 on file.**

- **Resolution 01-2018, Recognition of Tom Lindeman, Montcalm County Commissioner was adopted by the BOH and placed on file.**

STAFFING CHANGES

JANUARY - 2019

AS

STATUS	POSITION	BRANCH OFFICE
	No changes	

CHED

STATUS	POSITION	BRANCH OFFICE
	No changes	

EH

STATUS	POSITION	BRANCH OFFICE
	No changes	