



Laboratory and Consumer Protection Bureau

Craig VanBuren
Bureau Director

**Michigan Department of Agriculture
and Rural Development**

TELEPHONE: (800) 292-3939

TABLE OF CONTENTS

03	Animal Disease Testing
05	Food, Feed, Hemp, and Liquor Testing
07	Motor Fuel Quality Laboratory Testing
09	Pesticide Data Program
11	Pesticide & Environment Testing
13	Food and Dairy Microbiology Testing
15	Federal Grants and Cooperative Agreements
17	Metrology Laboratory
19	Weights and Measures Program
21	Motor Fuel Quality Program



Animal Disease Testing

PROGRAM MANAGER: Alicia Pella | 517-331-7117 | pella@michigan.gov

The Animal Disease Testing program provides testing in support of the Michigan Department of Agriculture and Rural Development's efforts to monitor and eradicate livestock disease so Michigan animals can be moved and sold throughout the U.S. and internationally.

The Animal Disease Testing program provides Equine Infectious Anemia (EIA) testing to certify equines traveling in Michigan and throughout the United States are EIA-free and controlling the spread of the disease.

IMPACT FOR MICHIGAN:

This program helps protect the livestock industry from economic losses due to animal disease transmission.

It ensures Michigan livestock are free of specific diseases before entering the food chain to protect people, the food supply and animals. Ensuring animals are free of disease, helps facilitate the free and legal import and export of livestock in Michigan.

ACCOMPLISHMENTS:

- Met 100% of all sample analysis turnaround times. The timely analysis allows for the early detection of animal diseases affecting livestock and public health.
- Certified two new analysts for animal disease testing. Cross-training staff leverages internal talent, increases program productivity and reduces costs.
- Program analysts achieved 100% re-certification rate for disease testing, supporting MDARD's key goal of protecting human and animal health.
- Disease free status maintained for Brucellosis, Pseudorabies and Johne's, which is critical for agricultural livestock business growth.

MEASURING SUCCESS:

Metric	FY2022	FY2023
Equine Infectious Anemia Testing	11261	10469
Other Animal Disease Testing	394	651
Proficiency Tests	100%	100%
Turn Around Time Met or Exceeded	100%	100%

PROGRAM GOALS:

- Two new analysts trained and certified for EIA testing and Brucellosis testing
- 100% re-certification for current analysts
- Meeting 100% of sample turnaround times
- Achieving membership into the National Animal Health Laboratory Network
- Passed USDA EIA Inspection

KEY STAKEHOLDERS

- Michigan residents
- MDARD's Animal Industry Division
- Private Veterinarians
- United States Department of Agriculture
- Michigan State University Veterinary Diagnostic Laboratory

LEGAL AUTHORITY:

- Public Health Code, Public Act 368 of 1978
- Part 124, as amended





Chemistry Program

PROGRAM MANAGER: Alicia Pell | 517-331-7117 | pella@michigan.gov

The Chemistry program supports animal and human food safety/security, consumer protection, and economic development by providing analytical data and technical expertise to document the safety, legality, authenticity, identity and quality of human food, animal feed, fertilizers, industrial hemp, alcoholic and non-alcoholic beverages offered for sale in the State of Michigan. This program also provides analytical data to the Michigan Liquor Control Commission (MLCC) for enforcement of under-age drinking laws and detection of adulteration of distilled liquor.

IMPACT FOR MICHIGAN:

- Drugs and other additives, when misapplied, can negatively impact animal and human health, livestock animal productivity and marketability of food products by businesses.
- The data generated assists Michigan Department of Agriculture of Rural Development, Food and Drug Administration and the MLCC with monitoring and enforcement activities related to food and feed safety.
- Laboratory test data is required to establish and maintain an integrated food safety system.
- Consumer, livestock and pet health are directly impacted by the safety of the food supply.
- The food supply is vulnerable to intentional tampering and adulteration and testing can identify those issues to minimize impacts and provide evidence.

ACCOMPLISHMENTS:

- In FY2023 Tested 348 Human Food Samples and 110 Animal Feed Samples for the LFFM funding track in conjunction with the FDA. These samples were tested for food allergens, heavy metals, and/or mycotoxins. This testing is instrumental in enhancing the capacity and capabilities of the MDARD Chemistry testing laboratory in support of a national integrated food safety system as well as accelerate foodborne illness outbreak investigations and reduce foodborne illnesses and death.
- Successfully passed all proficiency testing for the year for Animal Feed, Fertilizer, Industrial Hemp, and Liquor programs for the Chemistry section.
- Successfully completed audits to renew accreditation to ISO 17025:2017 in Industrial Hemp, Animal Feed, and Fertilizer.

MEASURING SUCCESS:

Metric	FY2022	FY2023
Samples Tested	1466	1097
# of Analytes Tested	8725	7089
% of Proficiency Tests completed successfully	100%	100%

PROGRAM GOALS:

- Meeting 100% of sample turnaround times
- Obtain 100% on all proficiency tests
- Begin to test animal serum for PFAS on LC/MS/MS
- Validate more human food commodities for Mycotoxin testing at lower LOD/LOQs

KEY STAKEHOLDERS

- Michigan consumers
- MDARD's Food and Dairy Division
- MDARD's Pesticide and Plant Pest Management Division
- Hemp growers and industry
- Michigan Liquor Control Commission





Motor Fuel Quality Testing

PROGRAM MANAGER: Alicia Pell | 517-331-7117 | pella@michigan.gov

The Motor Fuels Quality Testing Program analyzes gasoline and diesel fuel to ensure product description accuracy, quality, and adherence to state quality standards. This program works in cooperation with the Consumer Protection Section to protect consumers from substandard gasoline. In addition, gasoline sold in certain high population/automobile use areas of the state is monitored for its evaporative properties by the Lab to prevent over 28 tons of pollutants per day from being released into the atmosphere. This program benefits plants and people living in these areas by reducing health risks caused by the inhalation of gasoline vapors and/or smog created from the vapors.

IMPACT FOR MICHIGAN:

- The Motor Fuels Quality Testing program monitors and verifies the standards all gasoline must meet to protect businesses and consumers from economic harm caused by costly engine repairs from substandard gasoline.

ACCOMPLISHMENTS:

- Renewal of accreditation to ISO 17025:2017 ensuring results are viable and defensible
- Increased capacity in MDARD's Motor Fuels Testing Lab.
- Meeting 100% of sample turnaround goal, ensuring inspectors have timely data needed to complete thorough and efficient misuse investigations
- Cross-trained additional staff to perform data analysis improving turn-around times

MEASURING SUCCESS:

Metric	FY2022	FY2023
Gasoline Samples Tested	4215	4028
Diesel & Kerosene & E-85 Samples Tested	705	699
Proficiency Test	100%	100%
Turn Around Time met or exceeded	100%	100%

PROGRAM GOALS:

- Achieving 100% on all proficiency check samples
- Meeting 100% of sample turnaround times
- Maintain ISO 17025 Accreditation for the Motor Fuel Quality Testing Program
- Purchase and install eight new Distillation testing units



KEY STAKEHOLDERS

- Michigan residents
- Michigan Fuel Businesses
- MDARD's Consumer Protection Program

LEGAL AUTHORITY:

- Public Act 44 of 1984, as amended, Michigan Motor Fuels Quality Act



PESTICIDE DATA PROGRAM

PROGRAM MANAGER: Brian Regan | 517-284-0471 | reganb9@michigan.gov

The Pesticide Data Program (PDP) collects high-quality, statistically-based, pesticide residue data from a variety of food products destined for grocery store shelves throughout the United States. The data provides the U.S. Environmental Protection Agency (EPA) with information to help determine which pesticides may be registered for use on food products and to set tolerance levels of these pesticides. Findings of tolerance violations are reported to the U.S. Food and Drug Administration to aid them in making programmatic plans for future years of testing imported products. The data produced by PDP are available to the general public in a web-based database and in an annual summary.

IMPACT FOR MICHIGAN:

The PDP provides reliable data to help assure consumers that food they feed their families is safe. The data published each year provide regulators, scientists, registrants, farmers, processors and consumers with important insights into the actual pesticide residue levels in a variety of widely consumed foods. PDP data have been helpful in identifying crops where alternative pest management practices are needed to increase yield and quality of the produce. PDP data are also useful in promoting export of U.S. commodities in a competitive global market and addressing food safety issues helping Michigan farmers market their products world-wide.

ACCOMPLISHMENTS:

- Validating extraction and analysis methodologies on cucumbers and cherry/grape tomatoes as new commodities. Validation proves effectiveness for providing accurate data for each commodity assigned by United States Department of Agriculture.
- Continued accreditation to ISO 17025:2017 which ensures results are viable and defensible.
- Increased pesticide screens by adding 22 new commodity specific compounds during validation. This additional data is valuable to ensure public safety and aid in global marketing of domestic food products.

MEASURING SUCCESS:

Metric	2022	2023
Number of Samples	1,044	1,044
Average turnaround	139 days	82 days
Satisfactory proficiency testing	100%	100%

PROGRAM GOALS:

- Increase pesticide screens by adding requested commodity specific compounds during validation
- Validate next assigned commodities
- Continue pursuit of near 100% paperless data
- Return to full staffing levels
- Decrease turn-around time for reporting of samples



KEY STAKEHOLDERS

- USDA
- U.S. EPA
- U.S. FDA
- Agriculture industry
- Consumers of agricultural products

LEGAL AUTHORITY:

- Agricultural Marketing Act of 1946
- US Food Quality Protection Act of 1996



PESTICIDE & ENVIRONMENT

PROGRAM MANAGER: Brian Regan | 517-284-0471 | reganb9@michigan.gov

Michigan Department of Agriculture and Rural Development (MDARD) is responsible for regulating the safe use of pesticides and is supported by the Laboratory's Pesticide and Environment program through both residue and formulations testing. Formulations testing verifies label claims on commercial pesticide products to prevent consumer fraud and/or misuse of pesticides. Residue testing includes testing of soil, foliage, water and swab wipes for evidence of the misuse of pesticides in samples collected while investigating citizen complaints. This program is also called upon for testing of food products and animal feeds for pesticides and other toxins in conjunction with investigations into human and animal illnesses or deaths.

IMPACT FOR MICHIGAN:

Pesticides are needed by the agricultural industry for higher yield of crops that are healthier and more desirable to the consumer and to control pests in structures that can carry disease or do extensive damage to the structure. Misuse of pesticides poses a health risk to citizens and animals and can cause environmental damage.

ACCOMPLISHMENTS:

- Met turnaround goals in 100% of samples, ensuring inspectors have timely data needed to complete thorough and efficient misuse investigations.
- Continued accreditation to ISO 17025:2017 which ensures results are viable and defensible.
- The pesticide section handled four priority/rush cases. Staff were able to process and analyze the samples having preliminary results to inspectors within 24-48 hours. The quick turn-around in results enables cases to be carried out quickly and efficiently while having great impact on all parties involved.
- Added two new instruments for misuse work to replace aging instrumentation no longer supported by the manufacturer which requires more maintenance and troubleshooting that costs valuable time and resources. The new instrumentation is more sensitive allowing for lower levels of detection and potentially creating the ability to add newer and more difficult compounds.

MEASURING SUCCESS:

Metric	2022	2023
Number of misuse samples received	514	288
Average turnaround for misuse samples	33 days	31 days
% Misuse samples reported on time (60 days)	100%	100%
Number of formulation samples received	11	11
% Satisfactory proficiency testing	100%	100%

PROGRAM GOALS:

- Implement new instrumentation received in 2023 and train staff
- Continue to add new analytes to instrument screens
- Continue program transition to paperless data analysis and review
- Return to full staffing levels



KEY STAKEHOLDERS

- Michigan residents
- Agriculture industry
- U.S. Environmental Protection Agency
- Consumers of agricultural products
- Michigan Department of Agriculture & Rural Development – Pesticide & Plant Pest Management Division
- Michigan Department of Environment, Great Lakes & Energy

LEGAL AUTHORITY:

- Federal Insecticide, Fungicide and Rodenticide Act, 7 U.S.C s/s 136 et seq (1996)
- Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 83



FOOD and DAIRY MICROBIOLOGY

PROGRAM MANAGER: Brandon Nader 517-284-0463 | naderb@michigan.gov

The Microbiology Section tests Grade “A” Dairy Products, Manufactured Dairy Products and Glycol Waters to provide analytical data to Michigan Department of Agriculture and Rural Development’s Food and Dairy Division to enforce the Michigan Grade “A” Milk Law and Manufacturing Milk Law. The Grade “A” Pasteurized Milk Ordinance is designed to protect and improve the nation’s milk supply through continued monitoring from production through distribution, including laboratory testing for bacterial counts, somatic cell counts, phosphatase enzyme production and antibiotics. The Food Pathogen Programs, include testing for pathogens in ready to eat foods, fresh produce through Michigan’s Food Assurance Program, and environmental samples from production & retail facilities provide analytical data to the Food and Dairy Division in support of its enforcement of the Michigan Food Law.

IMPACT FOR MICHIGAN:

Food safety and protecting human and animal health is one of MDARD’s key goals. Detection of pathogens in food is an important step in removal of contaminated products from commerce and consequently eliminates sources of potential illnesses. These programs help to ensure production of safe food and dairy products by Michigan manufacturers and will ensure continued sales of Michigan agricultural products within the state, across the nation and through exports.

ACCOMPLISHMENTS:

- The food microbiology program participated in a multi-state melon sampling initiative. *Listeria mono* and *welshmeri* were found in samples. Food Assurance sample taken by laboratory staff on 7/17/23, *Listeria mono* and *welshmeri* were found in 3 of the samples.
- The Dairy Microbiology lab successfully tested over 5000 samples. (PMO). In Michigan, the Grade "A" Law of 2001 adopts the Pasteurized Milk Ordinance (PMO) as law. All Grade "A" products must come from dairy farms and dairy plants that meet the requirements of the PMO to be shipped interstate. Farms and producers must have their sources of Grade "A" raw milk and processed milk products tested and deemed safe to ship interstate.

MEASURING SUCCESS:

Metric	FY 2022	FY 2023
Number of food related samples tested for pathogens	2695	2895
Number of dairy samples tested	5053	4961
Average turnaround time	4 days	4 days
Proficiency test results	100%	100%

PROGRAM GOALS

- Continue mentoring and training other state lab partners on *Campylobacter spp.* and *Cyclospora cayetanensis* testing methodology
- Become certified by the Center for Disease Control and Prevention PulseNet in Whole Genome Sequencing
- Validate test method for Added Water in Milk

KEY STAKEHOLDERS:

- Dairy and food farmers and growers, producers, manufacturers, distributors and retail food and dairy establishments.
- Residents of and visitors to the State of Michigan.
- FDA and USDA Food Safety and Inspection Service
- MDARD's Food and Dairy Division and Plant and Plant Pest Management Division

LEGAL AUTHORITY:

- PA 92 of 2000, as Amended, Michigan Food Law
- PA 266 of 2000, as Amended, Grade "A" Milk Law of 2001 and the Michigan Manufacturing Milk Law of 200





FEDERAL GRANTS and COOPERATIVE AGREEMENTS

PROGRAM MANAGER: Jordan Polaskey | 517-284-0462 | polaskeyj@michigan.gov

The Food and Drug Administration, United States Department of Agriculture, Food Safety and Inspection Service, and Food Emergency Response Network is supported by a collaboration of federal, state and local regulatory laboratories. This program expands and improves lab capacity for surveillance and outbreak investigations of foodborne pathogen and threat agent testing. The Michigan Department of Agriculture and Rural Development and Michigan Department of Health & Human Services' Microbiology Lab partnered to provide this capability to the State of Michigan. Through a Food and Dairy Division contract, MDARD's Microbiology Lab provides pathogen FDA testing for environmental samples from food production facilities. MDARD's Microbiology Lab is the recipient of the FDA Laboratory Flexible Funding Model grant, the FDA Genome Trakr Grant for Whole Genome Sequencing, and the FDA Animal Feed Regulatory Program Standards Grant.

IMPACT FOR MICHIGAN:

Food safety and protecting human and animal health is one of MDARD's key goals. Detection of food pathogens is an important step in removal of contaminated products from commerce. These programs help to ensure production of safe food and dairy products by Michigan manufacturers and help continued sales of Michigan agricultural products. Accreditation of laboratories helps to ensure proper test methods are performed by qualified, trained personnel, producing accurate and timely results.

ACCOMPLISHMENTS:

- In April, a sample of Nut & Seed Butter tested positive for *Salmonella* spp. The FDA and Maine DACF collaborated on the case, leading to a voluntary recall by the company. Such testing is vital for bolstering emergency response and reducing foodborne illnesses.
- The program was recognized by APHL/FDA in 2023 as a success story for collaborative multi-state efforts regarding peaches contaminated with *listeria monocytogenes*. The investigation revealed distribution to schools and adult care facilities in Michigan and other states, raising concerns for vulnerable populations. Swift coordination between MDARD, the FDA, and state partners led to timely identification and recall of the implicated lot, preventing any linked illnesses.

MEASURING SUCCESS:

Metric	2019	2020
FDA FERN Proficiency Test (PT) Results	100%	100%
FDA Environmental samples Proficiency Test results	100%	100%
Average Turnaround Time	6 days	6 days
FDA FERN Surveillance samples/environmental samples tested	426 / 646	348/746

PROGRAM GOALS:

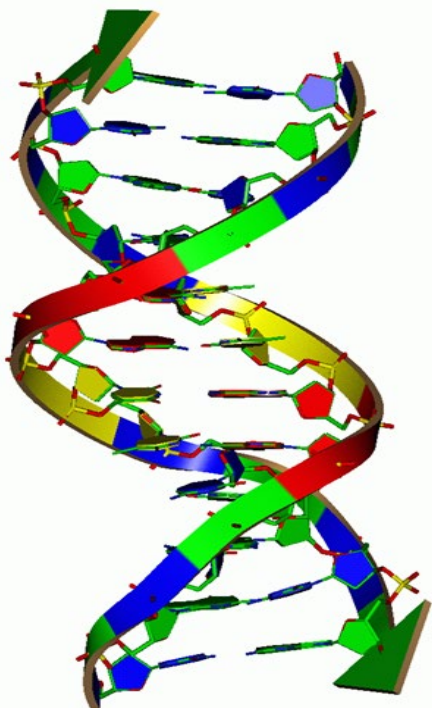
- To sequence a minimum of 400 food-related isolates for the FDA program through the FDA WGS grant and attain CDC PulseNet analysis certification.
- Maintain and enhance ISO 17025 accreditation.
- Sample and analyze 200 cut fruit , 200 tahini, and 250 pet food samples for pathogens; and 50 leafy green samples for Cyclospora in FY21 as foodborne surveillance projects for the FDA as part of the Lab Flexible Funding Model grant. This surveillance sampling provides for an early means of detecting threat agents in the U.S. food supply.

KEY STAKEHOLDERS:

- Residents of and visitors to the State of Michigan.
- FDA and USDA Food Safety and Inspection Service
- MDARD's Food and Dairy Division

LEGAL AUTHORITY:

- PA 92 of 2000, as Amended, Michigan Food Law
- PA 266 of 2000, as Amended, Grade "A" Milk Law of 2001 and the Michigan Manufacturing Milk Law of 2000





METROLOGY LABORATORY

PROGRAM MANAGER: Nicholas Santini | 517-655-7229 | SantiniN@michigan.gov

The E.C. Heffron Metrology Laboratory directly supports all legal metrology activities of the weights and measures programs. The Lab houses Michigan's primary standards for weight, measure, and temperature, and is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to conduct Echelon I mass calibrations. The Lab supports state, county, city, and highway weight limit enforcement programs by certifying vehicle axle scales (wheel load weighers). The Lab also provides traceability to national standards for Michigan's wide variety of high-tech, manufacturing, and heavy industries by offering fee-based testing and calibration services. The Lab's high level of accreditation, expertise, and accessibility makes it one of the busiest precision mass laboratories in the nation.

IMPACT FOR MICHIGAN:

Benefits of the Lab include - ensuring accuracy and stability in the commercial measurement system; technical support of other state agencies; the facilitation of high tech and precision manufacturing; protecting Michigan's roads from overweight vehicles through the use of portable wheel load scales; and the promotion of safety.

ACCOMPLISHMENTS:

- NIST Certificate of Measurement Traceability renewed
- National Voluntary Laboratory Accreditation
- Conformance with the International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC), including ISO/IEC 17025

All three of the above allow the Lab to support many Michigan industries and businesses. Without the accomplishments above, many businesses would be forced to look for the Lab's services out of state, which would increase their down-time and cost the businesses significantly more.

MEASURING SUCCESS:

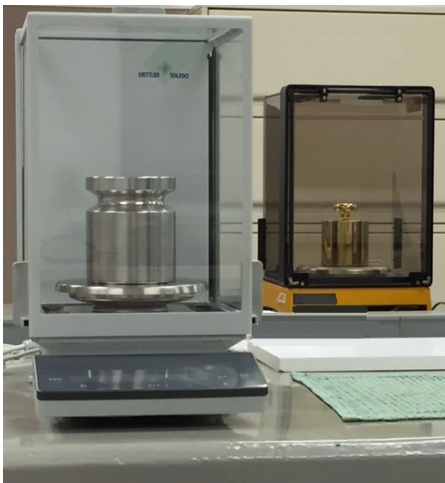
Mass Standards Tested	Echelon 1	Echelon 2	Echelon 3
Internal	59	79	91
External	-	2,195	6,894

Volumetric Standards Tested	Gravimetric	LP Gas	Small Volume Provers	</= 5 Gallon	> 5 Gallon
Internal	2	4	-	43	5
External	18	9	15	129	31

Wheel Load Weighers Tested
671

PROGRAM GOALS:

- Renew NIST Certificate of Traceability
- Maintain NVLAP Accreditation
- Retain ISO and IEC conformance
- Calibration of State Field Standards
- Calibration of Registered Service Agency Equipment
- Support Michigan’s Manufacturing Industry



KEY STAKEHOLDERS

- Michigan Public (ensuring correct weights and measures in the marketplace)
- Weights & Measures/Motor Fuel Quality Programs
- Multiple Michigan industries



WEIGHTS AND MEASURES PROGRAM

PROGRAM MANAGER: ROBERT DeRUBEIS | 517-655-7227 | derubeisr@michigan.gov

Michigan Department of Agriculture and Rural Development's Weights and Measures Program is the only agency charged with protecting both consumers and industry from economic harm caused by unfair, unscrupulous, or fraudulent business practices for goods and services based on weight, measure, or count. The program enforces well-established, uniform weights and measures practices; investigates complaints; ensures the proper operation of commercial weighing and measuring devices; determines the accuracy of the net content of packaged commodities; conducts undercover investigations; investigates consumer complaints related to scanner errors and pricing; is responsible for the quality and quantity of motor oils; and initiates civil or criminal actions when necessary. The Weights & Measures Program registers agencies and servicepersons ensuring industry "best practices" are used and provides trade assistance when exporters require state weight, measure, or device certification for export.

IMPACT FOR MICHIGAN:

It is estimated the sales of products and services impacted by weights and measures represents approximately 50 percent of Michigan's Gross Domestic Product. The Weights and Measures Program ensures equity and a level playing field within the market between both business to business transactions and the business to consumer transactions. The program works closely with the Michigan State Police, Federal Bureau of Investigations and the United States Secret Service to protect consumers from electronic credit card fraud as a result of credit card skimming devices.

ACCOMPLISHMENTS:

- Weights and Measures program staff were trained on new Electric Vehicle (EV) charging station test equipment; which will enable staff to test EV charging stations for accuracy and will ensure the public can gain and maintain confidence they are getting what they pay for when using an EV charger.

MEASURING SUCCESS:

Inspections	Approved	Condemned	Compliance*
Net Content Inspections	15,330	2,571	85.64%
Retail Motor Fuel Dispensers*	55,685	4,453	92.6%
Non-Gas Weighing and Measuring Devices*	1,103	95	92.07%
* Does not include re-inspection of condemned devices			
Complaints			Investigations
Gasoline Short Measure**			320
Other Weights and Measures			324
Item Pricing / Shopping Reform			80
** Motor fuel complaints were jointly investigated with MDARD's Motor Fuels Quality Program			

PROGRAM GOALS:

- Serve as a deterrent to potential violators through the use of warning letters and civil penalties.
- Test 25% of all retail gasoline dispensers annually while maintaining a 97% compliance rate.
- Test 12,000 packages every year for accuracy to protect consumers from economic harm by monitoring compliance with net content requirements for packaged commodities.
- Conduct audits of work performed by service persons and agencies who work on installing and maintaining weights and measures commercial devices.
- Ensure credit card readers are secure at retail motor fuel devices, in order to prevent the theft of personal information.
- Investigate consumer complaints related to motor oils at Michigan oil change facilities, including car dealerships, involving misbranding and quality.



KEY STAKEHOLDERS

- Consumers and producers in Michigan
- Michigan Independent Retailers Association
- Michigan Grocers Association
- Michigan Agri-business Association
- Michigan Propane Gas Association
- Michigan Petroleum Association/Michigan Association of Convenience Stores
- Michigan Oil Change Association



MOTOR FUELS QUALITY PROGRAM

PROGRAM MANAGER: TIM WHITE

517-655-7226 | whitet@michigan.gov



The Motor Fuels Quality Program ensures Michigan's motoring public can be confident they are receiving quality gasoline and diesel fuel that meet minimum state standards. Further, the Motor Fuels Quality Program ensures gasoline sold in the eight county Southeast Michigan Region meets the low vapor pressure requirement for summertime gasoline helping the region to maintain compliance with the Federal Clean Air Act. The Motor Fuels Quality Program investigates complaints related to motor fuel quality, randomly samples retailers to ensure motor fuels meet state standards, monitors the entire motor fuel distribution chain from refinery to distributor/wholesaler to retail, provides technical guidance and assistance to motor fuel retailers as necessary, and licenses approximately 4,700 motor fuel retailers.



IMPACT FOR MICHIGAN:

Michigan's motoring public purchases more than 5 billion gallons of motor fuel annually, sight unseen. Receiving sub-standard motor fuel can damage automobile engines resulting in significant repair costs. The low vapor pressure program assists the Southeast Michigan region in maintaining compliance with the Clean Air Act; enabling people in Southeast Michigan to breathe clean air.



ACCOMPLISHMENTS:

- Motor Fuels Quality Program staff obtained 4692 motor fuel samples at 3320 stations throughout Michigan with an overall compliance rate of 89.6 percent. Through its motor fuel quality program MDARD ensures that the motoring public can be confident motor fuels purchased in Michigan meet minimum state standards.
- Motor Fuels Quality Program staff obtained 718 low vapor pressure gasoline samples at 581 stations in the 8 County Southeast Michigan Region (Lenawee, Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, and Wayne Counties) with a station compliance rate of 98 percent. Ensuring stations in the 8 county Southeast Michigan region comply with the low vapor pressure stands helps the region maintain compliance with the Clean Air Act.



MEASURING SUCCESS:

Metric	2022	2023
Official Samples Procured	4,894	4,692
Vapor Recovery Samples	549	718
Field Octane Audits	2,417	2,405
1-800-MDA Fuel Complaints*	806	957

* Motor fuels quantity complaints were jointly investigated with MDARD’s Weights and Measures Program.

PROGRAM GOALS:

- Obtain motor fuel samples at 75% of motor fuel retailers annually.
- Conduct low vapor pressure testing at 20% of the retailers in the Southeast Michigan region.
- Obtain 5,000 motor fuel samples annually.



KEY STAKEHOLDERS

- Michigan Consumers and producers of fuel
- Michigan Independent Retailers Association
- Michigan Petroleum Association/Michigan Association of Convenience Stores
- Associated Petroleum Industries of Michigan
- Michigan Retailers Association

LEGAL AUTHORITY:

- [The Motor Fuels Quality Act, Public Act 44 of 1984](#), as amended and applicable regulations