



## Animal Disease Testing

**PROGRAM MANAGER:** Alicia Pell | 517-284-0491 | [pella@michigan.gov](mailto:pella@michigan.gov)

The Animal Disease Testing program provides testing in support of the Michigan Department of Agriculture and Rural Development's (MDARD) 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.
- Tested over 11,000 Blood samples in an average of one day turn around, using various serological tests to allow for movement of livestock intrastate, interstate and internationally. Mandatory and elective testing of livestock solidifies Michigan's high ranking in the livestock industry and monitors that population's overall health
- Disease free status maintained for Brucellosis, Pseudorabies and Johnes, which is critical for agricultural livestock business growth.

## MEASURING SUCCESS:

Metric	FY2021	FY2022
Equine Infectious Anemia Testing	11,666	11,261
Other Animal Disease Testing	439	394
Proficiency Tests	100%	100%
Turn Around Time Met or Exceeded	100%	100%

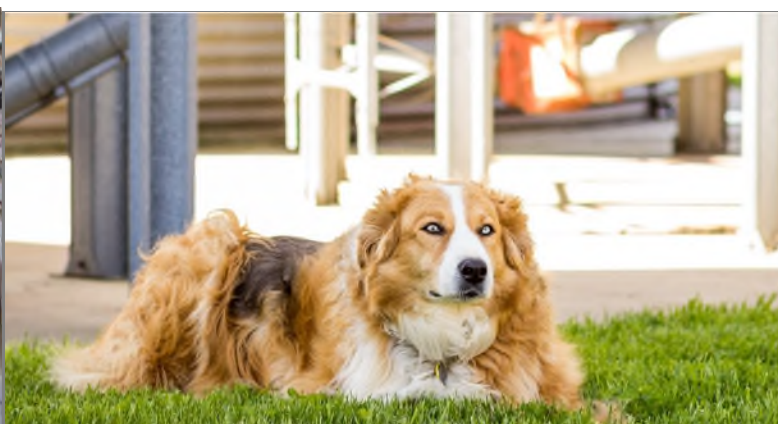
## PROGRAM GOALS:

- 100% re-certification for current analysts
- Meeting 100% of sample turnaround times

## KEY STAKEHOLDERS

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





# Food, Feed, Fertilizer, Industrial Hemp, and Liquor Testing

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The Food, Feed, Fertilizer, Industrial Hemp, and Hand Sanitizer Testing programs, support 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 and Rural Development, Food and Drug Administration (FDA) 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:

- The Laboratory Division's Chemistry program was instrumental in a nationwide rush investigation pertaining to testing marbits that are manufactured in Michigan for Lucky Charms cereal. The Chemistry section tested samples for heavy and nutritive metals and mycotoxins with a 3-day turnaround time. This quick response helped to quickly rule out the cause of the issue with Lucky Charms cereal.
- The Chemistry section tested over 500 human food samples and 150 animal feed samples for the FDA's Lab Flexible Funding Model Grant. 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 laboratory in support of a national integrated food safety system as well as accelerate foodborne illness outbreak investigations and reduce foodborne illnesses and death.

## MEASURING SUCCESS:

Metric	FY2021	FY2022
Samples Tested	1,538	1,499
Turn Around Time Met or Exceeded	100%	100%
% of Proficiency Tests completed successfully	100%	100%

## PROGRAM GOALS:

- Meeting 100% of sample turnaround times
- Obtain 100% on all proficiency tests
- Enhance food fraud testing capabilities



## 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 | 517-284-0491 | [pella@michigan.gov](mailto:pella@michigan.gov)

The Motor Fuels Quality Testing Program tests gasoline and diesel fuel to ensure product description accuracy, quality, and adherence to state quality standards. This program works in cooperation with the Michigan Department of Agriculture and Rural Development 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 preventing 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.
- High throughput testing capacity – 4920 Motor Fuel samples in an average of 4 days turnaround time ensures fuels meet the Motor Fuels Quality act and ensures inspectors have timely data needed to complete thorough and efficient misuse investigations.
- Cross-trained additional new staff to perform data analysis during off-season, improving turn-around times and accommodate an increase in sample volume.

## MEASURING SUCCESS:

Metric	FY2021	FY2022
Motor Fuel Samples Tested	5,562	4,920
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



## 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:** Jessica Pruett | 517-284-0475 | [pruettj@michigan.gov](mailto:pruettj@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 (FDA) 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:

- Validated extraction and analysis methodology on tomatoes and potatoes as new commodities for the Pesticide Data Program (PDP). Validation proves effectiveness for providing accurate data for each commodity assigned by USDA.
- Renewal of accreditation to ISO 17025:2017 which ensures results are viable and defensible.
- Donated 20,420 pounds of fresh produce and canned foods to the Greater Lansing Food Bank. PDP samples are purchased in bulk and subsampled for testing. Remaining food is donated after subsampling.

## MEASURING SUCCESS:

Metric	2021	2022
Number of Samples	1,118	1055
Satisfactory proficiency testing	100%	100%

## PROGRAM GOALS:

- Increase pesticide screens by adding requested commodity specific compounds during validation
- Validate next assigned commodities
- Cross-training of newer staff to improve turnaround times



## 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:** Jessica Pruett | 517-284-0475 | [pruettj@michigan.gov](mailto:pruettj@michigan.gov)

The 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:

- The Pesticide & Environment program analyzed a record number of misuse and formulation samples in FY22 while meeting 100% of turnaround goals ensuring inspectors had timely data needed to complete thorough and efficient misuse investigations.
- Renewal of accreditation to ISO 17025:2017 which ensures results are viable and defensible.
- Successfully completed 2-year special project with EGLE to analyze neonicotinoids in surface water.

## MEASURING SUCCESS:

Metric	2021	2022
Number of misuse samples received	606	872
Average turnaround for misuse samples	29	34
% Misuse samples reported on time (60 days)	100%	100%
Number of formulation samples received	48	18
% Satisfactory proficiency testing	100%	100%

## PROGRAM GOALS:

- Cross-train additional analysts to improve turnaround times for samples.
- Extend EGLE project for an additional year (requested by EGLE based on success of 2-year project), analyzing neonicotinoids in surface water.
- Enhance Laboratory Flexible Funding Model (LFFM) testing of feed samples (RAC – raw agricultural commodities) for pesticide residues.



## KEY STAKEHOLDERS

- Michigan residents
- Agriculture industry
- U.S. Environmental Protection Agency
- Consumers of agricultural products
- Michigan Department of Natural Resources
- 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](mailto: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 of 2001 and Manufacturing Milk Law of 2001. The Grade "A" Pasteurized Milk Ordinance is designed to protect and improve the nation's milk supply through continued monitoring from production through distribution. Food Pathogen Programs, including testing for pathogens in ready to eat foods, fresh produce through Michigan's Food Assurance Program, and environmental samples from production and 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:

- Successfully verified a Dead-End Ultrafiltration (DEUF) method for the detection of Enterohemorrhagic Escherichia coli (EHEC) in agricultural waters. Agricultural water used to grow fresh produce can carry and distribute human pathogens. This method will allow for the testing of these waters that may be used on fresh produce.
- A Food Emergency Response Network (FERN) sample of tahini collected by Laboratory personnel tested positive for Salmonella, which initiated notification to FDA. The implicated lot was seized, and this removal of contaminated product eliminates potential consumer foodborne illnesses.
- Successfully Completed FDA Multi-Lab Validation Study for the testing of Salmonella via ABI 7500 in spinach and frozen fish. This provides matrix expansion and a new method of testing.

## MEASURING SUCCESS:

Metric	2021	2022
Number of food related samples tested for pathogens	2,727	2,695
Number of dairy samples tested	5,053	4,850
Average turnaround time	4 days	4 days
Proficiency test results	100%	100%

## PROGRAM GOALS

- Complete validation and training for the analysis of *Cyclospora cayetanensis* via Dead End Ultra
- Filtration (DEUF).
- Validate and Implement added water testing.
- Establish a more robust Whole Genome Sequencing (WGS) program.

## 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](mailto:polaskeyj@michigan.gov)

The Food and Drug Administration (FDA), United States Department of Agriculture (USDA), Food Safety and Inspection Service (FSIS), 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 (MDARD) 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:

- The Microbiology Program was recognized for its collaborative work with the FDA, CDC and other state and local partners investigating a multistate outbreak of *Listeria monocytogenes* linked to enoki mushrooms. These recalls protect public health by removing products from commerce that have been determined to be unsafe for consumption.
- Successfully Completed FDA Multi-Lab Validation Study for the testing of *Salmonella* via ABI 7500 in spinach and frozen fish. This matrix expansion is instrumental in enhancing the capacity and capabilities of the MDARD laboratory in support of a national integrated food safety system as well as accelerate foodborne illness outbreak investigations and reduce foodborne illnesses and death.

## MEASURING SUCCESS:

Metric	2021	2022
FDA FERN Proficiency Test (PT) Results	100%	100%
FDA Environmental samples Proficiency Test results	100%	100%
Average Turnaround Time	6 days	6 days

## PROGRAM GOALS:

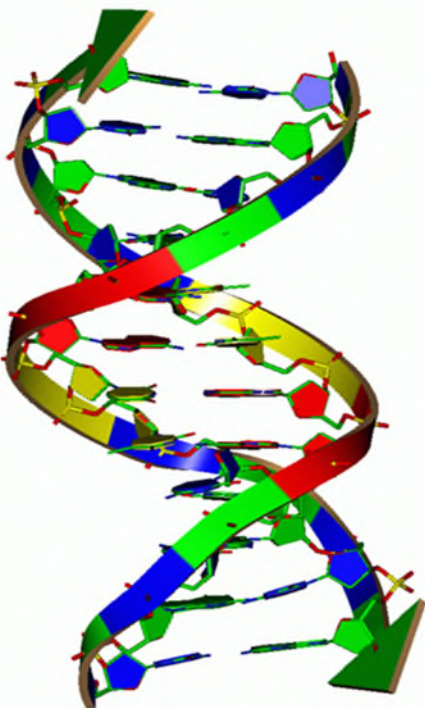
- To sequence a minimum of 400 food-related isolates for the FDA program through the FDA WGS grant and establish a more robust Whole Genome Sequencing (WGS) program.
- Maintain and enhance ISO 17025 accreditation.
- Sample and analyze human and animal foodborne surveillance samples for the FDA as part 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



# LABORATORY DIVISION



## METROLOGY LABORATORY

**PROGRAM MANAGER:** Craig VanBuren | 517-655-7223 | [vanburenc9@michigan.gov](mailto:vanburenc9@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 Standard Testing			Echelon 1	Echelon 2	Echelon 3
Internal			44	182	258
External			-	2,026	7,209
Volumetric Standards	Gravimetric	LP Gas	Small Volume Provers	</= 5 Gallon	> 5 Gallon
Internal	2	-	-	38	3
External	34	9	18	116	29

Wheel Load Weighers
667

## 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](mailto:derubeisr@michigan.gov)

The 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:

- During the year staff met with three industry groups at their request, to discuss market trends and statewide compliance. Those groups were, the Michigan Oil Change Association, the Michigan Nursery and Landscaping Association (drafted an article for the association), and the National Electrical Contractors Association.
- The Service Registration Program developed a service exam for electric fueling stations and certified the first company in the State to install such devices in compliance with the law.

## MEASURING SUCCESS:

Inspections	Approved	Condemned	Compliance*
Net Content Inspections	11,393	2,598	81.43%
Retail Motor Fuel Dispensers**	58,974	3,161	94.915%
Non-Gas Weighing and Measuring Devices	1,142	83	93.22%
* Does not include re-inspection of condemned devices			
Complaints			Investigations
Gasoline Short Measure**			579
Other Weights and Measures			170
Item Pricing / Shopping Reform			111
** Motor fuel complaints were jointly investigated with MDARD's Motor Fuels Quality Program			

## PROGRAM GOALS:

- Continue providing oversight of Michigan's \$700 billion weights and measures commerce at a rate of about 15 cents per Michigan resident.
- 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**

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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 4,894 motor fuel samples at 3,497 stations throughout Michigan with an overall compliance rate of 96.7 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 549 low vapor pressure gasoline samples at 478 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 99 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	2021	2022
Official Samples Procured	5,147	4,894
Vapor Recovery Samples*	707	549
Field Octane Audits	2,417	2,417
1-800-MDAFuel Complaints**	806	806

\* In response BP's Whiting, Indiana refinery fire, Governor Whitmer issued Executive Order No. 2022-9 suspending vapor pressure requirements effective August 27, 2022, through September 15, 2022.

\*\* 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