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Agency of Agriculture Food & Markets

Deborah Markowitz, Secretary
Vermont Agency of Natural Resources
1 National Life Drive
Davis 2
Montpelier, Vermont 05620-3901

February 18, 2016

Dear Secretary Markowitz,

Enclosed please find the 2015 Annual Report for the Agricultural Water Quality Enforcement Program, submitted in accordance with the Agricultural Nonpoint Source Pollution Reduction Program Memorandum of Understanding, entered into by the Agency of Natural Resources, Department of Environmental Conservation and the Agency of Agriculture on April 16, 1993.

Please note that this is a comprehensive enforcement report that includes inspections conducted to determine compliance with the Required Agricultural Practices (RAP) Regulations and Medium and Large Farm Operations permits. The report summarizes the efforts of five Field Agents that respond to small farm compliance issues, four Medium and Large Farm Operations Coordinators, a Small Farm Water Quality Inspector (a new position created in 2014), a state-wide CREP Coordinator (Conservation Reserve Enhancement Program), and the Agency's three full-time equivalent (FTE) Agricultural Engineers.

This year we have created an Appendix to the Annual report that presents our compliance and enforcement efforts in graphic form. We may use this Appendix as a stand-alone document that will provide a more easily "digestible" representation of our efforts over the past year.

If you have any questions or concerns regarding this report, please feel free to contact Laura DiPietro, (802) 595-1990, or Wendy Anderson, (802) 828-3475, of the Agricultural Resource Management Division.

Sincerely,

A handwritten signature in blue ink that reads "Charles R. Ross, Jr." with a stylized flourish at the end.

Charles R. Ross, Jr., Secretary
Vermont Agency of Agriculture, Food and Markets



cc: Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

Peter LaFlamme, Director
VT DEC Watershed Management Division

Representative Carolyn Partridge, Chair
House Committee on Agriculture and Forest Products

Representative David Deen, Chair
House Committee on Fish, Wildlife and Water Resources

Senator Robert Starr, Chair
Senate Committee on Agriculture

Senator Christopher Bray, Chair
Senate Committee on Natural Resources and Energy

**Vermont Agency of Agriculture, Food and Markets
Agricultural Water Quality Enforcement Program
2015 Annual Report**

Required Agricultural Practices Regulations Enforcement
Medium Farm Operation General Permit Enforcement
Large Farm Operation Individual Permit Enforcement
Engineering and Technical Assistance

Dear Reader,

January 29, 2016

The Vermont Agency of Agriculture, Food and Markets (VAAFM) implements a comprehensive approach to the regulation of farms in the State in order to best protect water resources. The development of a three-tiered approach to the regulation of Vermont farms allows for a logical progression in regulatory oversight as a farm grows in size from a Small Farm Operation (SFO) subject to regulation under the Required Agricultural Practices Regulations, to a Medium Farm Operation (MFO) regulated under the state's MFO General Permit, to a Large Farm Operation (LFO) regulated under an individual LFO permit.

On June 16, 2015, Governor Shumlin signed Act 64 – the Vermont Clean Water Act - into law, effectively amending and enacting multiple requirements related to water quality in the State. The act amended several provisions regarding agricultural water quality. The "accepted agricultural practices" (AAPs) were renamed the "required agricultural practices" (RAPs) and that term is used throughout this report. The RAPs are standards by which a farm must manage their agricultural operations. VAAFM has been charged to revise the RAPs by rule on or before July 1, 2016. The revised RAPs will include new or enhanced requirements for small farm certification, nutrient storage, soil health, buffer zones, livestock exclusion, and nutrient management.

Information about the Required Agricultural Practices Regulations (RAPs), the Medium Farm Operations (MFO) general permit program, and the Large Farm Operations (LFO) individual permit program can be found at the following links:

- Required Agricultural Practices Regulations (RAPs)
<http://agriculture.vermont.gov/water-quality/regulations/rap#Q6>

- Medium Farm Operations (MFO) General Permit Program
<http://agriculture.vermont.gov/water-quality/regulations/mfo>

- Large Farm Operations (LFO) Permitting Program
<http://agriculture.vermont.gov/water-quality/regulations/lfo>

If you do not have access to the internet, contact the Agency at (802) 828-2431 to obtain additional program information.

The following report summarizes the Agency's enforcement and engineering/technical assistance efforts over the 2015 calendar year. The report summarizes the efforts of five Field Agents that respond to small farm compliance issues alongside their normal duties regulating pesticides, feed, seed and fertilizers; four Medium and Large Farm Operations Permit and Inspection Coordinators, a Small Farm Water Quality Inspector (a new position created in 2014), a state-wide CREP Coordinator (Conservation Reserve Enhancement Program), and the Agency's Agricultural Engineers which were staffed at three full-time equivalents (FTE) in 2015 but is now staffed at three FTEs through the Vermont Clean Water Act. If you have any questions regarding the information presented in this report, please contact the Agricultural Resource Management Division at (802) 828-2431.

In 2015, the Agency performed a total of 912 inspections/visits/surveys to farms to determine compliance with the Required Agricultural Practices Regulations, the Medium Farm Operation general permit, and the Large Farm Operation individual permits and to offer technical and engineering assistance. Inspections represent a formal inspection done on a farm to assess compliance with a rule and/or permit, visits are representative of technical assistance on the ground, and surveys are specific to a special assessment or project. In May 2015, the Agency launched the North Lake Farm Survey (NLFS), a pilot project designed to begin quantifying water quality needs by surveying livestock farm facilities located in the Missisquoi River Basin and St. Albans Bay watershed. VAAFM employees have surveyed over 250 facilities since the project launched in May, and have worked closely with farmers to assess their potential impact on water quality and help them to understand Vermont's water quality regulations. The project will continue until all identified livestock operations in the region have been reached.

As a result of these inspections/visits/surveys, a total of 26 farms received formal enforcement actions, two enforcement actions are pending, and 17 farms were referred to the Agency of Natural Resources for suspected direct discharges of wastes to surface water.

RAP Compliance and Assistance: In 2015, a total of 615 visits were made to small farms (SFO's). Of these, 339 inspections/surveys were conducted to assess compliance with the RAPs.

Table 1. Small Farm Operation Visits

Total Number of SFO Visits	615
SFO Inspections	143
Complaints from public	60
▪ <i>Complaints resulting in enforcement</i>	15
Compliance checks	60
▪ <i>Compliance checks resulting in enforcement</i>	5
Inspections conducted with VTDEC(*) / USEPA(*)	0
SFO Regulatory Follow-up Visits	23
SFO North Lake Farm Surveys (# of facilities)	196
SFO Technical Assistance / Engineering Visits	276

(*) Inspections conducted in cooperation with VTDEC and USEPA evaluate a farm operation for compliance with the Federal Concentrated Animal Feeding Operation (CAFO) permit requirements.

It is interesting to note that while the MFO and LFO programs are inspection-based compliance programs, the RAP enforcement program has also, over the years, been shifting steadily towards more of an inspection-based program as opposed to being driven solely by complaints from the public. In addition to the 339 inspections/surveys conducted on small farms, 276 visits were made to small farms to provide them with education and technical/engineering assistance to help them comply with water quality requirements.

As indicated in the attached investigation tracking summary table (Table 7), compliance check surveys were conducted to ensure compliance with the winter manure spreading ban. Each survey is logged as a single investigation, but each survey covers a number of farms in a given area. In 2015, 26 pre-winter spreading ban compliance checks covering approximately 230 farms were conducted to ensure that farmers were properly managing their manure, emptying their pits, and getting ready for the winter spreading ban. Once the ban was in effect, 12 compliance checks were conducted to ensure that no manure spreading was occurring during the winter spreading ban. These checks covered approximately 103 farms. So, while only 38 inspections are logged for these compliance check efforts before and during the ban, a total of 333 farms were found to be in compliance at the time of these checks.

As a result of compliance efforts conducted in 2015, 20 small farms received formal enforcement actions (this includes one case referred to the Attorney General's Office), and 10 small farms were referred to the Agency of Natural Resources for suspected direct discharges of waste to surface water.

Table 1a – Small Farm Operation Enforcement Actions

Enforcement Actions	Number of Cases
Corrective Action Letter (CAL)	12
Cease and Desist Order (CDO)	1
Letter of Warning (LOW)	4
Notice of Violation with Administrative Penalty (NOV)	1
▪ Assurance of Discontinuance (AOD)	1
▪ Final Order	1
Actions Pending	
SFO In-Field Corrections (verbal warnings)	2
SFO Referrals	
Agency of Natural Resources (VT ANR) (*)	10
Attorney General's Office (AGO)	1
SFO Cases in Continuance	15

(*) Under a Memorandum of Understanding with the VT Agency of Natural Resources, cases involving suspected direct discharges of waste to water are referred to ANR for investigation.

MFO General Permit Compliance: In 2015, a total of 172 visits were made to Medium Farm Operations. Of these, 107 inspections/surveys were conducted on medium farms to assess compliance with the state's MFO general permit conditions.

Table 2 – Medium Farm Operation Visits

Total Number of MFO Visits	172
MFO Inspections	67
Complaints from Public	21
▪ Complaints resulting in enforcement	1
Compliance checks	30
▪ Compliance checks resulting in enforcement	4 (1 pending)
Inspections conducted with VTDEC(*) / USEPA(*)	8
MFO Regulatory Follow-up Visits	8
MFO North Lake Farm Surveys (# of facilities)	40
MFO Technical Assistance / Engineering Visits	65

(*) Inspections conducted in cooperation with VTDEC and USEPA evaluate a farm operation for compliance with the Federal Confined Animal Feeding Operation (CAFO) permit requirements in addition to the State MFO general permit.

Eight regulatory follow-up visits were made to farms that received enforcement actions to evaluate the farm's progress in coming into compliance with the general permit requirements. Sixty-five (65) visits to MFOs involved providing technical assistance to farmers that show interest and motivation to correct a potential violation identified through an inspection or to participate in the Conservation Reserve Enhancement Program (CREP). The Agency will perform multiple technical assistance visits to ensure a farm moves steadily towards achieving compliance. When a farmer is not showing a commitment to correct a potential violation, the Agency will pursue an enforcement action.

As a result of compliance efforts conducted in 2015, a total of four medium farms received formal enforcement actions, one enforcement action is pending, and four medium farms were referred to the Agency of Natural Resources for suspected direct discharges of waste to surface water.

Table 2a – Medium Farm Operation Enforcement Actions

Enforcement Actions	Number of Cases
Corrective Action Letter (CAL)	3
Notice of Violation with Administrative Penalty (NOV)	1
▪ Assurance of Discontinuance (AOD)	1
▪ Final Order (FO)	
Actions pending	1
MFO In-Field Corrections (verbal warnings)	3
MFO Referrals	
Agency of Natural Resources (VT ANR) (*)	5
Attorney General's Office (AGO)	
MFO Cases in Continuance	6

(*) Under a Memorandum of Understanding with the VT Agency of Natural Resources, cases involving suspected direct discharges of waste to water are referred to ANR for investigation. Note: an Assurance of Discontinuance (AOD) or Final Order (FO) is only issued after a Notice of Violation has been issued. Therefore, while we report that four MFOs received enforcement actions, a total of five actions were issued to these farms.

LFO Individual Permit Compliance: In 2015, a total of 125 visits were made to Large Farm Operations. Of these, 60 inspections/surveys were conducted to assess a farm's compliance with their individual LFO permit and the LFO Rules.

Table 3 – Large Farm Operation Visits

Total Number of LFO Visits	125
LFO Inspections	41
Complaints from public	13
▪ <i>Complaints resulting in enforcement</i>	<i>1 pending</i>
Compliance checks	24
▪ <i>Compliance checks resulting in enforcement</i>	<i>2</i>
Inspections conducted with VTDEC(*) / USEPA(*)	1
LFO Regulatory Follow-up visits	3
LFO North Lake Farm Surveys (# of facilities)	19
LFO Technical Assistance Visits	65

(*) Inspections conducted in cooperation with VTDEC and USEPA evaluate a farm operation for compliance with the Federal Concentrated Animal Feeding Operation (CAFO) permit requirements in addition to the farm's LFO Permit.

As a result of compliance efforts conducted in 2015, two large farms received formal enforcement actions, one action is pending, and two farms were referred to the Agency of Natural Resources for suspected direct discharges of waste to surface water.

Table 3a – Large Farm Operation Enforcement Actions

Enforcement Actions	Number of Cases
Letter of Warning (LOW)	1
Notice of Violation with Administrative Penalty (NOV)	1
▪ Assurance of Discontinuance (AOD)	
▪ Final Order (FO)	
LFO In-Field Corrections (verbal warnings)	1
LFO Referrals	
Agency of Natural Resources (VT ANR) (*)	2
Attorney General's Office (AGO)	
LFO Cases in Continuance	3

(*) Under a Memorandum of Understanding with the VT Agency of Natural Resources, cases involving suspected direct discharges of waste to water are referred to ANR for investigation.

Key for Tables 4, 6 and 7

AGO = Attorney General's Office
 AOD = Assurance of Discontinuance
 CAL = Corrective Action Letter
 CDO = Cease and Desist Order

CON = Case Continuing
 LOW = Letter of Warning
 NOV = Notice of Violation
 PA = Case Permanently Abeyed / Closed

Table 4. Inspections and Enforcement Actions by Watershed

Watershed / (watershed number on attached table) (*)	Number of Inspections	Enforcement Actions, Verbal Warnings, Referrals
Battenkill (1)	6	ANR Referral (SFO) - 2
Poultney & Mettawee (2)	9	CAL (SFO)
Otter Creek (3)	39	NOV (SFO), AOD (SFO), CAL (SFO) – 2, LOW (SFO), ANR Referral (SFO) - 2
Lower Champlain (4)	3	CAL (SFO)
Upper Champlain (5)	36	LOW (LFO), ANR Referral (LFO), Verbal (MFO) – 2, ANR Referral (MFO) - 2, CAL (SFO) – 3, Verbal (SFO) – 2,
Missisquoi (6)	29	ANR Referral (LFO), NOV (MFO), AOD (MFO), ANR Referral (MFO), CAL (SFO), ANR Referral (SFO) - 6
Lamoille (7)	5	
Winooski (8)	22	Action pending (LFO), NOV (LFO), Verbal (LFO), Verbal (MFO), ANR Referral (MFO), CAL (SFO) – 2, CDO (SFO)
White (9)	16	CAL (MFO), CAL (SFO)
Ottawaquechee & Black (10)	5	LOW (SFO)
Saxton, Williams & West (11)	7	CAL (MFO)
Deerfield (12)	1	
Lower Connecticut (13)	7	ANR Referral (MFO)
Waits & Wells (14)	3	

Passumpsic (15)	4	
Upper Connecticut (16)	9	CAL (MFO), Final Order (SFO)
Barton & Clyde (17)	19	Action pending (MFO), CAL (SFO), LOW (SFO) -2

NOTE: This table only addresses the inspections conducted to determine compliance with the RAPs and those inspections of MFOs and LFOs that either lead to the issuance of an enforcement action or were undertaken in response to complaints from the public (these investigations are summarized in Table 7). A number of inspections, such as surveys for compliance with the winter manure spreading ban, encompass more than one watershed. Therefore, the number of investigations on a watershed basis may exceed the absolute number of inspections conducted. The enforcement action taken is paired with the designation "SFO" for small farm, "MFO" for medium farm, and "LFO" for large farm. In some cases, field staff address and correct issues in the field without the need for a written enforcement action. These cases are referred to as "verbal".

(*) Tactical Planning Basins.

Under the VT Department of Environmental Conservation's (VT DEC) prior "Guidelines" approach to basin planning, it was envisioned that Basin Plans would be developed for the 17 unique planning watersheds in Vermont (used here in Table 4). While most of these basins reflect true watershed boundaries or logical watershed groupings (e.g., Winooski River, or Wells, Waits, Ompompanoosuc Rivers), others, such as Basin 4, 5, or 13, reflect neither watershed boundaries per-se, nor logical groupings of communities that share a sense of common attachment to surface waters. As such, the current Tactical Planning Process combines the prior 17 watershed areas into 15 revised planning basins. These regions are intended to ensure that small areas occurring outside of major planning watershed, but that share common landscapes, communities, and organizations are included in planning processes of maximum relevance to the citizens of those areas. To accomplish this, VT DEC's Watershed Management Division, using the tactical Planning Process, will develop plans that: 1) Parse the small lower Basin 16 (direct to CT River) subwatersheds with Basin 14 or 9 as appropriate, to create the Wells, Waits, Ompompanoosuc and Middle CT River Tactical Plan, and the White River Region Tactical Plan; 2) Parse the small Basin 13 subwatersheds with Basins 10, 11, and 12; 3) Merge Basins 2 and 4 to create the South Lake Champlain Basin Tactical Plan. The Agency of Agriculture will utilize these 15 basins when tracking and reporting on water quality enforcement cases in 2016.

Table 5. General Nature of Complaints Received and Compliance Checks Conducted. This table summarizes all compliance checks and inspections into alleged violations of RAPs, MFO and LFO inspections conducted in response to complaints, and MFO and LFO inspections that led to enforcement actions based on the inspections tracked in Table 7. It does not track all MFO and LFO inspections conducted in 2015. Some inspections addressed more than one concern, so the numbers in this table may exceed the number of inspections conducted. As in past years, the majority of complaints were related to manure management.

Nature of Complaint / Subject of Compliance Check	# Complaints	# Compliance Checks
General RAP Requirement		
Carcass Disposal / Slaughter Waste	1	
Composting - Livestock		
Composting - Non-livestock		
Construction of Farm Structures		
Cropfield Runoff - Erosion	1	
Ditch Maintenance / Impacts to Water	4	
Enforcement Action Follow-up		23
Farmer Requests for Assistance		
General Compliance Check – Production area	1	2
General Compliance Check – Field practices	3	
Livestock Access to Water/Streambank Impacts	5	1
Livestock Pasturing Near Wells	5	

Manure Management – Production Area	28	17
Manure Management – Field Practices	10	2
Manure Management - Spreading During Ban	4	1
Manure Management – Spreading Ban Compliance Check		12
Manure Management – Manure Spreading Ban Exemption Request		1
Manure Management – Pre-spreading Ban Compliance Check (Nov. 1 – Dec. 15)		26
Milkhouse Waste	1	
Silage Leachate / Waste Feed	1	
Vegetative Buffers	1	
MFO Permit Compliance		
Enforcement Action Follow-up		8
Field Practices	18	3
Production Area	3	9
Recordkeeping/Reporting		
LFO Permit Compliance		
Enforcement Action Follow-up		3
Field Practices	11	2
Production Area	2	3
Recordkeeping/Reporting		
TOTAL	99	113

Table 6 . Enforcement Actions issued by section of RAP Regulations, MFO General Permit, and LFO Individual Permit. [Note - an enforcement action may include more than one count / violation of the RAPs or MFO / LFO permit requirements, so numbers of violations may exceed the total number of enforcement actions issued.]

RAP Section	# Violations / Enforcement actions / Verbal warnings
4.01 - Discharges	CAL (7), CDO (1), NOV (1), AOD (1), Final Order (1), ANR Referral (10), Verbal (1)
4.02 - Nutrient and Pesticide Storage	LOW (1), CAL (6), Final Order (1), Verbal (1)
4.03 - Nutrient and Pesticide Application	LOW (3)
4.04 - Soil Cultivation	
4.05 - Agricultural Waste Management	CAL (1)
4.06 - Buffer Zones	CAL (1)
4.07 - Construction of Farm Structures	CAL (1)
4.08 - Ground Water Quality	
MFO General Permit	
Production Area Concerns / Manure Storage	CAL (2), NOV (1), AOD (1), ANR Referral (3), Action pending (1)
Field Practices	CAL (1), ANR Referral (2), Verbal (3)
Recordkeeping	
LFO Individual Permit	
Production Area Concerns / Manure Storage	NOV (1), ANR Referral (1)
Field Practices	LOW (1), Action Pending (1), Verbal (1), ANR Referral (1)
Recordkeeping	

Questions regarding the Vermont Agricultural Water Quality Enforcement Program or this report in general can be directed to the Agency of Agriculture, Agricultural Resource Management Division at (802) 828-2431.

Table 7. RAP/MFO/LFO Enforcement Inspection Tracking Summary Table. This table tracks all compliance checks and inspections into alleged violations of RAPs, MFO and LFO inspections conducted in response to complaints, and MFO and LFO inspections that led to enforcement actions. If there is no date under the "date received" column, no complaint was received. The visit was initiated by a Field Agent or Office staff, or the inspection was requested by the farmer. This Table does not track all MFO and LFO inspections conducted in 2015. Please see Tables 2 and 3 for a total number of MFO and LFO inspections conducted in 2015.

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
1	1	1		SFO		1/7/2015 3/11/2015 11/2/2015	5		RAP Manure management - production area	4.01(b)	PA	4/10/2015	
2	1	1		MFO	1/15/2015	Phone call with complainant 1/15/2015	8		MFO Permit Compliance - Field Practices		PA	1/15/2015	
3	1	1		MFO		1/13/2015 4/28/2015 6/2/2015	3		MFO Permit Compliance - Field Practices		PA	1/14/2015	
4	1	1		SFO		1/22/2015	13		RAP Manure management - spreading during ban		PA	1/27/2015	
5	8	8		SFO		1/13/2015	3		RAP Manure management - Spreading ban compliance check		PA	1/20/2015	
6	1	1		MFO	1/20/2015	1/30/2015	7		MFO Permit Compliance - Production Area		PA	1/30/2015	
7	1	1		SFO		1/22/2015	17		RAP Enforcement Action Follow-up		PA	2/2/2015	
8	1	1		SFO	1/30/2015	2/4/2015 7/27/2015	6		RAP Manure management - production area	4.01(b) 4.07(f)	CAL	10/6/2015	
9	11	6	5	SFO		1/5/2015	7	17	RAP Manure management - spreading ban compliance check		PA	2/2/2015	
10	12	12		SFO		1/6/2015	6		RAP Manure management - spreading ban compliance check		PA	2/2/2015	
11	8	4	4	SFO		1/7/2015	17	15	RAP Manure management - spreading ban compliance check		PA	2/2/2015	
12	6	6		SFO		1/14/2015	15		RAP Manure management - spreading ban compliance check		PA	2/2/2015	
13	6	6		SFO		1/15/2015	6		RAP Manure management - spreading ban compliance check		PA	2/2/2015	
14	11	5	6	SFO		1/16/2015	6	17	RAP Manure management - spreading ban compliance check		PA	2/2/2015	
15	13	13		SFO		1/21/2015	6		RAP Manure management - spreading ban compliance check		PA	2/2/2015	
16	9	6	3	SFO		1/22/2015	17	15	RAP Manure management - spreading ban compliance check		PA	2/2/2015	
17	1	1		SFO		1/21/2015	6		RAP Enforcement Action Follow-up		PA	2/2/2015	
18	1	1		SFO		1/21/2015	6		RAP Enforcement Action Follow-up		PA	2/2/2015	
19	1	1		SFO	2/4/2015	2/4/2015	8		RAP Manure management - Spreading during ban		PA	2/6/2015	
20	1	1		SFO		2/4/2015	6		RAP Enforcement Action Follow-up		PA	2/4/2015	
21	1	1		MFO		9/9/2014 2/4/2015	6		MFO Permit Compliance - Production Area	MFO GP	NOV AOD	9/1/2015 9/25/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
22	1	1		MFO		4/3/2013	16		MFO Permit Compliance - Production Area	MFO GP	CAL	3/2/2015	
23	1	1		MFO	2/12/2015	2/17/2015	14		MFO Permit Compliance - Field practices		PA	3/2/2015	
24	1	1		SFO		1/16/2015	3		RAP Manure management - production area		PA	1/16/2015	
25	1	1		SFO	2/26/2015	2/27/2015	3		RAP Manure management - spreading during ban		PA	2/27/2015	
26	1	1		SFO	2/26/2015	3/4/2015	7		RAP General Compliance Check - field practices		PA	3/5/2015	
27	1	1		SFO	3/2/2015	3/4/2015	15		RAP Manure management - spreading during ban		PA	3/4/2015	
28	1	1		MFO	3/10/2015	3/11/2015	5		MFO Permit Compliance - Field Practices		PA	3/11/2015	
29	1	1		SFO	3/12/2015	3/17/2015	5		RAP General Compliance Check - production area		PA	10/13/2015	
30	1	1		SFO	3/12/2015	3/20/2015	7		RAP Manure management - field practices		PA	3/25/2015	
31	1	1		SFO	3/13/2015	3/18/2015	5		RAP Ditch Maintenance / Impacts to Water		PA	7/23/2015	
32	1	1		LFO	3/13/2015	3/18/2015	3		LFO Permit Compliance - Field Practices		PA	3/24/2015	
33	1	1		LFO	3/12/2015	no visit - determination of non-jurisdiction	5		LFO Permit Compliance - Field Practices	4.01(b)	referred	10/6/2015	DEC - Wetlands
34	1	1		SFO		2/2/2015 3/18/2015	5		RAP Manure management - field practices RAP Livestock access to water / Streambank Impacts	4.01(c) 4.02(a)	CAL	5/19/2015	
35	6	6		SFO		3/4/2015	2		RAP Manure management - spreading ban compliance check		PA	3/27/2015	
36	1	1		SFO	3/31/2015	4/1/2015	3		RAP Manure management - field practices	4.02(a)	CAL	6/10/2015	
37	1	1		LFO	3/27/2015	3/28/2015	3		LFO Permit Compliance - Field Practices		PA	9/23/2015	
38	1	1		SFO	3/27/2015	3/28/2015	3		RAP Manure management - spreading during ban	4.03©	LOW	10/9/2015	
39	1	1		MFO	3/30/2015	4/1/2015	5		MFO Permit Compliance - Field Practices	MFO GP 4.02(a)	PA	4/1/2015	
40	1	1		LFO	3/30/2015	3/31/2015	6		LFO Permit Compliance - Field Practices		PA	4/6/2015	
41	1	1		LFO	4/6/2015	4/6/2015	8		LFO Permit Compliance - Field Practices	LFO GP 4.02(a)	PA	8/3/2015	
42	1	1		MFO	4/6/2015	4/8/2015	8		MFO Permit Compliance - Field Practices	MFO GP 4.02(a)	PA	4/17/2015	
43	1	1		SFO	4/7/2015	4/9/2015	3		RAP Manure management - production area	4.01(a)	Referred	4/9/2015	ANR
44	1	1		MFO	4/7/2015	NO VISIT	6		MFO Permit Compliance - Field Practices	MFO GP	Referred	4/10/2015	ANR
45	1	1		SFO	4/9/2015	4/10/2015	3		RAP Manure management - production area		PA	9/17/2015	
46	1	1		SFO		4/8/2015	8		RAP Manure management - production area		PA	4/8/2015	
47	1	1		SFO	4/13/2015	4/15/2015	14		RAP Manure management - production area		PA	4/17/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
48	1	1		SFO	4/15/2015	4/22/2015	6		RAP General Compliance Check - field practices		PA	4/22/2015	
49	1	1		LFO		4/17/2015 4/23/2015	8		LFO Permit Compliance - Field Practices		PA	4/23/2015	
50	1	1		SFO		4/3/2015 4/29/2015	8		RAP Manure management - production area	4.01(b) 4.02(a)	CAL	5/19/2015	
51	1	1		SFO	4/21/2015	4/22/2015	17		RAP Manure management - production area	4.01(b)	CAL	5/8/2015	
52	1	1		MFO	4/21/2015	4/21/2015	11		RAP Manure management - field practices	MFO GP	CAL	6/10/2015	
53	1	1		SFO	4/21/2015	4/22/2015	5		MFO Permit Compliance - field Practices		PA	4/22/2015	
54	1	1		SFO		4/17/2015	5		RAP Manure management - production area	4.02(d)	CON		
55	1	1		MFO	4/21/2015	4/22/2015	6		RAP Permit Compliance - Field Practices		PA	4/22/2015	
56	1	1		SFO	4/22/2015	4/23/2015	2		RAP Manure management - production area	4.01(b)	CAL	6/5/2015	
57	1	1		MFO	6/1/2015	6/2/2015	3		MFO Permit Compliance - Field Practices		PA	6/30/2015	
58	1	1		SFO	4/23/2015	4/24/2015	8		RAP Manure management - production area	4.01(a)	CDO	5/28/2015	
59	1	1		SFO	4/23/2015	4/30/2015	5		RAP Manure management - production area	4.02(a)	CAL	6/10/2015	
60	1	1		SFO		4/23/2015	16		RAP Manure management - production area		PA	4/23/2015	
61	1	1		SFO		4/16/2015	3		RAP Manure management - production area	4.01(b)	NOV	9/13/2015	
62	1	1		MFO		4/21/2015	13		MFO Permit Compliance - Production Area	MFO Rules	AOD	11/12/2015	
63	1	1		MFO	4/27/2015	11/3/2015	9		MFO Permit Compliance - Production Area	MFO GP	referred	4/23/2015	ANR
64	1	1		SFO	3/25/2015	3/30/2015	3		RAP Livestock access to water / Streambank Impacts		PA	9/30/2015	
65	1	1		SFO	4/23/2015	4/6/2015 5/15/2015	3		RAP Manure management - production area	4.01(a)	referred	4/7/2015	ANR
66	1	1		SFO	4/27/2015	NO VISIT	9		RAP Manure management - production area	4.07(f)	CON		AGO
67	1	1		SFO	4/28/2015	4/28/2015	17		RAP Livestock access to water / Streambank Impacts		PA	4/30/2015	
68	1	1		SFO	4/29/2015	4/30/2015	5		RAP Ditch Maintenance / Impacts to water	4.05(a)	CAL	6/19/2015	
69	1	1		SFO		5/5/2015	6		RAP Manure management - field practices		PA	5/5/2015	
70	1	1		LFO		5/14/2015	8		LFO Permit Compliance - production area	LFO Permit	NOV Hearing	8/10/2015	
71	1	1		SFO	4/24/2015	4/27/2015	8		RAP Manure Management - Field Practices		PA	4/30/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
72	1	1		MFO	4/28/2015	5/1/2015	5		MFO Permit Compliance - Field Practices		CON		
73	1	1		SFO	5/4/2015	6/11/2015	6		RAP Carcass Disposal		PA	7/7/2015	
74	1	1		MFO	5/1/2015	5/6/2015	3		MFO Permit Compliance - Field Practices		PA	7/24/2015	
75	1	1		LFO	5/6/2015	5/6/2015	17		LFO Permit Compliance - production area		PA	5/6/2015	
76	1	1		SFO	5/11/2015	5/21/2015	10		RAP Milkhouse Waste Management		CON		
77	1	1		SFO	5/11/2015	5/13/2015	17		RAP Livestock pasturing near wells	4.03(g)	LOW	12/2/2015	
78	1	1		SFO	5/14/2015; referred 5/20/2015	5/21/2015	10		RAP Manure management - production area	4.01(b), 4.02(a) and 4.05	LOW	12/2/2015	
79	1	1		SFO	5/15/2015	5/18/2015	1		RAP Manure management - production area		PA	11/17/2015	
80	1	1		SFO	5/19/2015	8/11/2015	17		RAP Manure management - field practices	4.03(g)	LOW	12/2/2015	
81	1	1		SFO	5/20/2015	5/28/2015	8		RAP Vegetative buffers	4.06(a)	CAL	6/10/2015	
82	1	1		SFO	5/20/2015	5/21/2015	3		RAP Manure management - production area RAP Livestock pasturing near wells	4.01(b) 4.02(a)	CAL	9/18/2015	
83	1	1		MFO		5/12/2015	5		MFO Permit Compliance - Enforcement Action Follow-up		PA	10/30/2015	
84	1	1		SFO	5/21/2015	5/27/2015	8		RAP Manure management - production area		PA	9/17/2015	
85	1	1		SFO		6/1/2015	7		RAP Enforcement Action follow-up		PA	6/1/2015	
86	1	1		SFO		6/3/2015	8		RAP Enforcement Action follow-up		PA	10/6/2015	
87	1	1		MFO		4/6/2015	9		MFO Permit Compliance - Production Area	MFO GP	CAL	9/17/2015	
88	1	1		SFO		6/12/2015	3		RAP General Compliance Check - production area		PA	6/12/2015	
89	1	1		SFO	6/11/2015	6/12/2015	9		RAP Manure management - field practices		PA	7/10/2015	
90	1	1		SFO		6/9/2015	6		RAP Enforcement Action Follow-Up		CON		
91	1	1		SFO	6/16/2015	6/19/2015	4		RAP Manure management - production area	4.01(b) 4.05	CAL	9/18/2015	
92	1	1		SFO	6/22/2015	8/13/2015	3		RAP Manure management - production area	GP	CON		
93	1	1		MFO	6/23/2015	No visit to date	3		MFO Permit Compliance - Field practices		CON		
94	1	1		SFO	6/5/2015	6/12/2015	16		RAP Manure management - production area RAP Manure management - field practices		PA	6/26/2015	
95	1	1		MFO		6/17/2015	6		MFO Permit Compliance - Enforcement Action Follow-up		PA	6/26/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
96	1	1		SFO		6/29/2015	16		RAP Enforcement Action follow-up	4.01(b), 4.02(a)	Final Order	8/4/2015	
97	1	1		MFO	6/11/2015	6/16/2015 7/7/2015	3		MFO Permit Compliance - Field Practices		PA	10/6/2015	
98	1	1		SFO	7/1/2015	7/7/2015	17		RAP Manure management - production area		PA	7/7/2015	
99	1	1		SFO		6/25/2015	3		RAP Enforcement Action Follow-Up		PA	7/7/2015	
100	1	1		MFO	7/15/2015	7/15/2015	17		MFO Permit Compliance - Field Practices		PA	7/20/2015	
101	1	1		MFO	7/21/2015	7/22/2015	17		MFO Permit Compliance - Production Area		PA	7/22/2015	
102	1	1		SFO	7/22/2015	7/29/2015	5		RAP Manure management - production area		PA	7/29/2015	
103	1	1		SFO	8/3/2015	8/4/2015	2		RAP Livestock pasturing near wells		CON		
104	1	1		SFO	8/3/2015	8/24/2015	9		RAP Livestock pasturing near wells	4.02(a)	CAL	9/18/2915	
105	1	1		SFO	7/31/2015	8/6/2015	6		RAP Silage Leachate / Waste Feed		PA	8/6/2015	
106	1	1		SFO	8/5/2015	8/6/2015	5		RAP Manure management - production area		PA	8/31/2015	
107	1	1		MFO		8/6/2015	8		MFO Permit Compliance - Field Practices	MFO GP	Referred	8/7/2015	AMR
108	1	1		LFO	8/11/2015	11/25/2015 (insufficient info. delayed investigation.)	5		LFO Permit Compliance - Field Practices		PA	11/25/2015	
109	1	1		SFO	8/11/2015	8/13/2015	3		RAP Manure management - production area		PA	9/24/2015	
110	1	1		SFO		8/12/2015	6		RAP Manure management - production area		PA	8/18/2015	
111	1	1		SFO	6/1/2015	6/1/2015	5		RAP Ditch maintenance / impacts to water		CON		
112	1	1		SFO		8/12/2015	5		RAP Enforcement Action Follow-Up		PA	8/13/2015	
113	1	1		SFO		7/23/2015	8		RAP Enforcement Action Follow-up		PA	7/23/2015	
114	1	1		SFO		6/25/2015	3		RAP Enforcement Action Follow-Up		PA	6/25/2015	
115	1	1		SFO		4/14/2015 5/20/2015	3		RAP Enforcement Action Follow-Up		PA	5/20/2015	
116	1	1		SFO	6/30/2015	7/1/2015 7/28/2015	11		RAP Manure management - production area		PA	8/10/2015	
117	1	1		SFO	7/28/2015	7/28/2015	11		RAP Manure management - field practices		PA	8/10/2015	
118	1	1		SFO	7/22/2015	7/27/2015	5		RAP Livestock access to water / Streambank Impacts	4.02(a)	PA	10/9/2015	
119	1	1		SFO	8/19/2015	10/9/2015	6		RAP Manure management - field practices		PA	9/2/2015	
120	1	1		MFO	8/19/2015	8/20/2015	5		MFO Permit Compliance - Field practices	MFO GP	PA	8/20/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
121	1	1		LFO	8/18/2015	8/20/2015	5		LFO Permit Compliance - Field Practices		PA	8/20/2015	
122	1	1		SFO		8/20/2015	5		RAP Enforcement Action follow-up		PA	8/25/2015	
123	1	1		LFO	8/28/2015	8/29/2015	3		LFO Permit Compliance - Field Practices		PA	8/31/2015	
124	1	1		SFO	8/26/2015	8/27/2015	6		RAP Cropland Runoff - Erosion		PA	8/27/2015	
125	1	1		LFO	9/2/2015	9/9/2015	4		LFO Permit Compliance - Field Practices		PA	10/1/2015	
126	1	1		LFO	7/7/2015	7/13/2015	8		LFO Permit Compliance - Field Practices		PA	9/9/2015	
127	1	1		SFO	9/16/2015	9/17/2015	3		RAP Manure management - production area		PA	10/7/2015	
128	1	1		SFO		9/16/2015 9/28/2015	16		RAP Manure management - production area		PA	9/28/2015	
129	1	1		MFO		9/22/2015	3		MFO Permit Compliance - Enforcement Action Follow-up	MFO-GP	CON		
130	1	1		SFO	9/28/2015	9/28/2015	5		RAP Manure management - field practices		PA	9/30/2015	
131	1	1		SFO		9/29/2015 12/16/2015	17		RAP Enforcement Action follow-up		CON		
132	1	1		LFO		9/29/2015	5		LFO Permit Compliance - Enforcement Action follow-up		PA	10/2/2015	
133	1	1		LFO		9/29/2015	5		LFO Permit Compliance - Field Practices	LFO Rules	LOW	10/7/2015	
134	1	1		SFO		6/29/2015	17		RAP Enforcement Action follow-up		CON		
135	1	1		MFO	10/9/2015	10/12/2015	3		MFO Permit Compliance - Field Practices		PA	10/12/2015	
136	6	4	2	SFO		11/19/2015	11	12	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/19/2015	
137	5	5		SFO		11/17/2015	13		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/17/2015	
138	1	1		LFO		9/17/2015	5		LFO Permit Compliance - Production area		CON		
139	1	1		SFO		10/29/2015	5		RAP Manure management - production area		PA	10/29/2015	
140	1	1		SFO		9/8/2015	9		RAP Enforcement Action Follow-up		PA	10/14/2015	
141	1	1		SFO	9/4/2015	9/8/2015	8		RAP Livestock pasturing near wells		PA	10/14/2015	
142	1	1		LFO		11/12/2015	6		LFO Permit Compliance - Enforcement Action Follow-up		CON		
143	1	1		LFO		11/9/2015	17		LFO Permit Compliance - Enforcement Action Follow-up		CON		
144	1	1		MFO		10/28/2015	11		MFO Permit Compliance - Enforcement Action Follow-up		PA	10/28/2015	
145	1	1		MFO		10/27/2015	5		MFO Permit Compliance - Enforcement Action Follow-up		CON		
146	1	1		MFO		7/15/2015	17		MFO Permit Compliance - Enforcement Action Follow-up		PA	10/20/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
147	1	1		MFO		11/4/2015	9		MFO Permit Compliance - Enforcement Action Follow-up		CON		
148	1	1		LFO	12/15/2015	12/16/2015	8		LFO Permit Compliance - Field Practices	LFO Rules	Action pending		
149	1	1		MFO		9/30/2015	17		MFO Permit Compliance - Production Area	MFO GP	Action pending		
150	1	1		MFO		11/4/2015	9		MFO Permit Compliance - Production Area		PA	11/4/2015	
151	8	8		SFO		11/5/2015	2		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/5/2015	
152	1	1		SFO		10/14/2015	16		RAP Enforcement Action Follow-up		CON		
153	12	12		SFO		11/6/2015	2		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/6/2015	
154	1	1		SFO	10/20/2015	10/21/2015	11		RAP Livestock access to water / streambank impacts		CON		
155	1	1		MFO		7/8/2015 11/24/2015 12/11/2015	5		MFO Permit Compliance - Production Area		PA	12/11/2015	
156	1	1		SFO		11/20/2015	16		RAP Enforcement Action Follow-up		CON		
157	1	1		SFO		12/18/2015	16		RAP General Compliance Check - production area		PA	12/30/2015	
158	1	1		SFO		Attempting to schedule visit	10		RAP Livestock access to water / streambank impacts		CON		
159	1	1		SFO	11/20/2015	11/24/2015	5		RAP General Compliance Check - field practices		PA	11/25/2015	
160	1	1		SFO		10/12/2015	2		RAP Enforcement Action Follow Up		PA	10/12/2015	
161	6	6		SFO		11/10/2015	3		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/10/2015	
162	1	1		SFO		11/10/2015 12/4/2015	3		RAP Enforcement Action Follow Up		PA	12/4/2015	
163	1	1		SFO		12/8/2015	3		RAP Enforcement Action Follow Up		PA	12/8/2015	
164	1	1		SFO	12/7/2015	12/15/2015	1		RAP Manure management - production area	4.01(a)	Referred	12/15/2015	ANR
165	1	1		SFO	12/7/2015	12/15/2015	1		RAP Manure management - production area	4.01(a)	referred	12/15/2015	ANR
166	1	1		MFO		4/28/2015 6/2/2015	3		MFO Permit Compliance - Field Practices	MFO GP	CON		
167	1	1		LFO	12/11/2015	12/15/2015	5		LFO Permit Compliance - Production Area		PA	12/15/2015	
168	1	1		SFO	12/11/2015	12/14/2015	5		RAP Manure management - Production Area		PA	12/14/2015	
169	1	1		SFO	12/14/2015	12/16/2015	3		RAP Manure management - Production Area		CON		
170	1	1		SFO		12/2/2015	3		RAP Manure management - Production Area		PA	12/17/2015	
171	1	1		MFO	12/15/2015	12/15/2015	5		MFO Permit Compliance - Field Practices		PA	12/18/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
172	7	7		SFO		11/17/2015	1		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/17/2015	
173	1	1		SFO		12/14/2015	17		RAP Manure spreading ban exemption request		PA	12/14/2015	
174	1	1		MFO	12/22/2015	12/22/2015	3		MFO Permit Compliance - Field Practices		PA	12/22/2015	
175	1	1		MFO		12/16/2015	5		MFO Permit Compliance - Enforcement Action Follow-up		PA	12/16/2015	
176	13	13		SFO		11/18/2015	3		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/18/2015	
177	10	10		SFO		11/30/2015	1		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/30/2015	
178	9	4	5	SFO		11/24/2015	2	4	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/24/2015	
179	7	7		SFO		11/30/2015	2		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/30/2015	
180	8	8		SFO		12/1/2015	3		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/1/2015	
181	12	12		SFO		12/2/2015	3		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/2/2015	
182	15	15		SFO		12/3/2015	3		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/3/2015	
183	10	10		SFO		12/4/2015	2		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/4/2015	
184	7	7		SFO		11/3/2015	13		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/3/2015	
185	8	8		SFO		11/6/2015	13		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/6/2015	
186	10	5	5	SFO		11/9/2015	8	9	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/9/2015	
187	9	5	4	SFO		11/10/2015	8	9	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	11/10/2015	
188	9	5	4	SFO		12/2/2015	9	10	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/2/2015	
189	4	4		SFO		12/3/2015	13		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/3/2015	
190	7	3	4	SFO		12/4/2015	9	10	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/4/2015	
191	10	10		SFO		12/7/2015	9		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/7/2015	
192	9	6	3	SFO		12/8/2015	9	14	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/8/2015	
193	12	12		SFO		12/9/2015	13		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/9/2015	

Case #	Total Farms Visited	Farms Visited Basin #1	Farms Visited Basin #2	Farm Size	Date Received	Site Visit	Basin ID #1	Basin ID #2	Nature of Complaint / Compliance Check	Violation	Action	Date	Refer To
194	8	8		SFO		12/11/2015	16		RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/11/2015	
195	9	4	5	SFO		12/15/2015	8	9	RAP Manure Management - Pre-Spreading Ban Compliance Check		PA	12/15/2015	
196	8	5	3	SFO		12/16/2015	9	8	RAP Manure Management - Spreading Ban Compliance Check		PA	12/16/2015	
197	5	5		SFO		12/17/2015	11		RAP Manure Management - Spreading Ban Compliance Check		PA	12/17/2015	
198	1	1		SFO		12/15/2015	1		RAP Manure Management - Production Area		CON		
199	1	1		SFO		9/15/2915	6		RAP Manure Management - Production Area	4.01(a)	Referred	9/15/2915	ANR
200	1	1		SFO		6/16/2015	6		RAP Manure Management - Production Area	4.01(a)	Referred	6/16/2015	ANR
201	1	1		SFO		6/15/2015	6		RAP Manure Management - Production Area	4.01(a)	Referred	6/15/2015	ANR
202	1	1		SFO		6/17/2015	6		RAP Manure Management - Production Area	4.01(a)	Referred	6/17/2015	ANR
203	1	1		SFO		6/9/2015	6		RAP Manure Management - Production Area	4.01(a)	Referred	6/9/2015	ANR
204	1	1		LFO		5/19/2015	6		LFO Permit Compliance - Production Area	LFO Permit	Referred	5/19/2015	ANR
205	1	1		MFO		5/7/2015	5		MFO Permit Compliance - Production Area	MFO GP	Referred	5/7/2015	ANR
206	1	1		SFO		5/12/2015	6		RAP Manure Management - Production Area	4.01(a)	Referred	5/12/2015	ANR
207	1	1		MFO		5/6/2015	5		MFO Permit Compliance - Production Area	MFO GP	Referred	5/6/2015	ANR

Vermont Agency of Agriculture, Food and Markets
Agricultural Water Quality Enforcement Program
2015 Annual Report – Appendix

Required Agricultural Practices Regulations Enforcement
Medium Farm Operation General Permit Enforcement
Large Farm Operation Individual Permit Enforcement
Engineering and Technical Assistance

This Appendix is a companion piece to the 2015 Agricultural Water Quality Enforcement Program Report and is intended to provide a graphic representation of the enforcement and compliance assistance efforts undertaken by the Agency during the past year. If you are interested in reviewing the actual data on which these graphics are based, please consult the 2015 Annual Report. You can obtain a copy of the report by contacting the Agency at (802) 828-2431, or by visiting the Agency's website at: <http://agriculture.vermont.gov/water-quality/enforcement-compliance/enforcement-tracking>.

Figure 1. In 2015, the Agency performed a total of 912 inspections/visits/surveys^(*) of farms to determine compliance with the Required Agricultural Practices (RAPs) Regulations, the Medium Farm Operation (MFO) general permit, and the Large Farm Operation (LFO) individual permits, and to offer technical and engineering assistance. Overall regulatory compliance rates are high for farms of all sizes and exceed 85%.

(*) In May 2015, the Agency launched the North Lake Farm Survey (NLFS), a pilot project designed to begin quantifying the impacts of agriculture on Lake Champlain by surveying farm facilities located in the Missisquoi River Basin and St. Albans Bay watershed. VAAFM employees have surveyed over 250 facilities since the project launched in May, and have worked closely with farmers to assess their potential impact on water quality and help them to understand Vermont's water quality regulations. The project will continue until all identified livestock operations in the region have been reached.

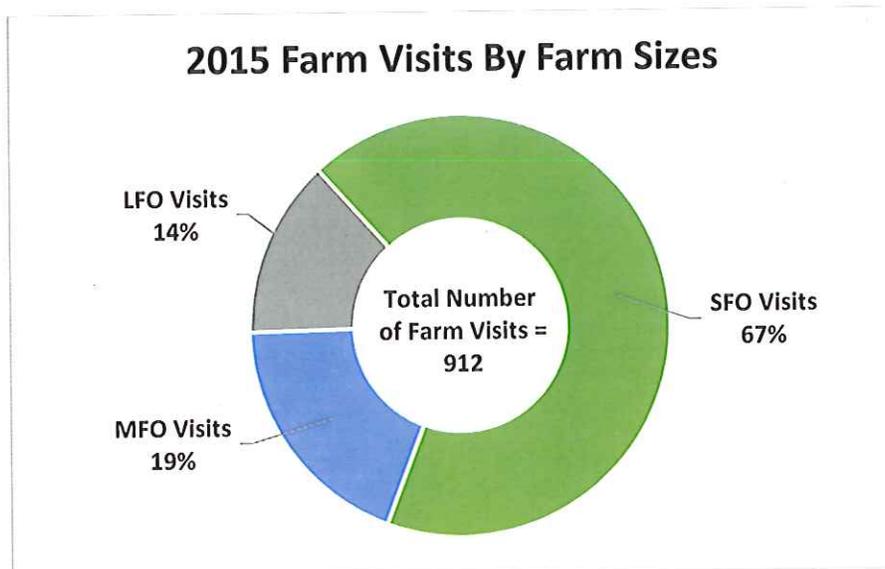


Figure 2. RAP Compliance and Assistance: In 2015, a total of 615 visits were made to small farms (SFO). Of these, 339 inspections/surveys were conducted to determine compliance with the RAPs.

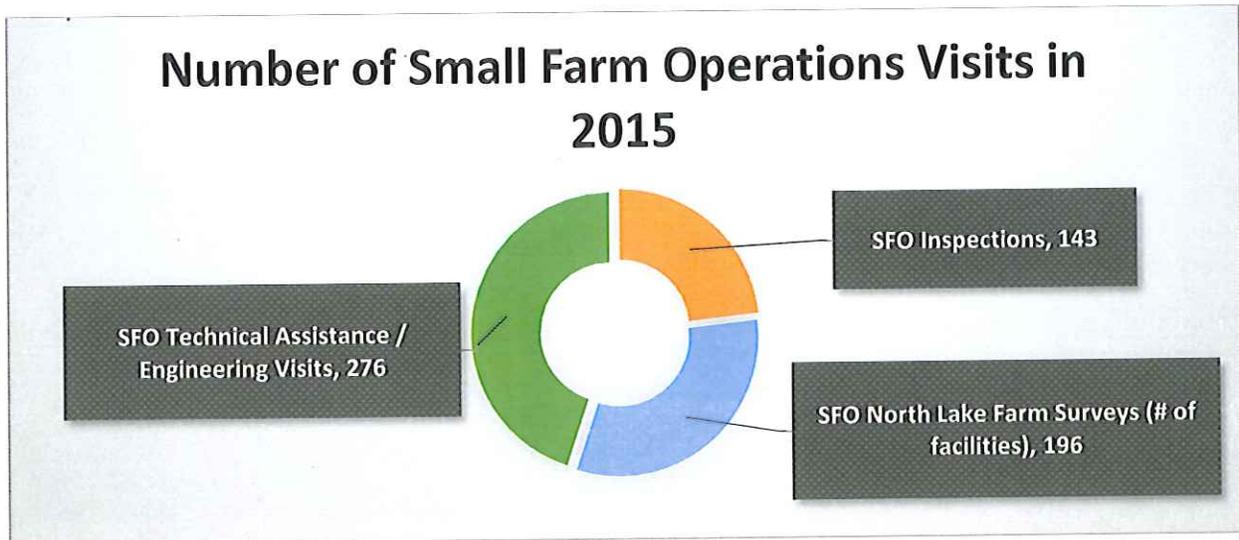


Figure 3. As a result of SFO inspections conducted in 2015, 20 small farms received formal enforcement actions including one case referred to the Attorney General's Office, resulting in a regulatory compliance rate of 86%.

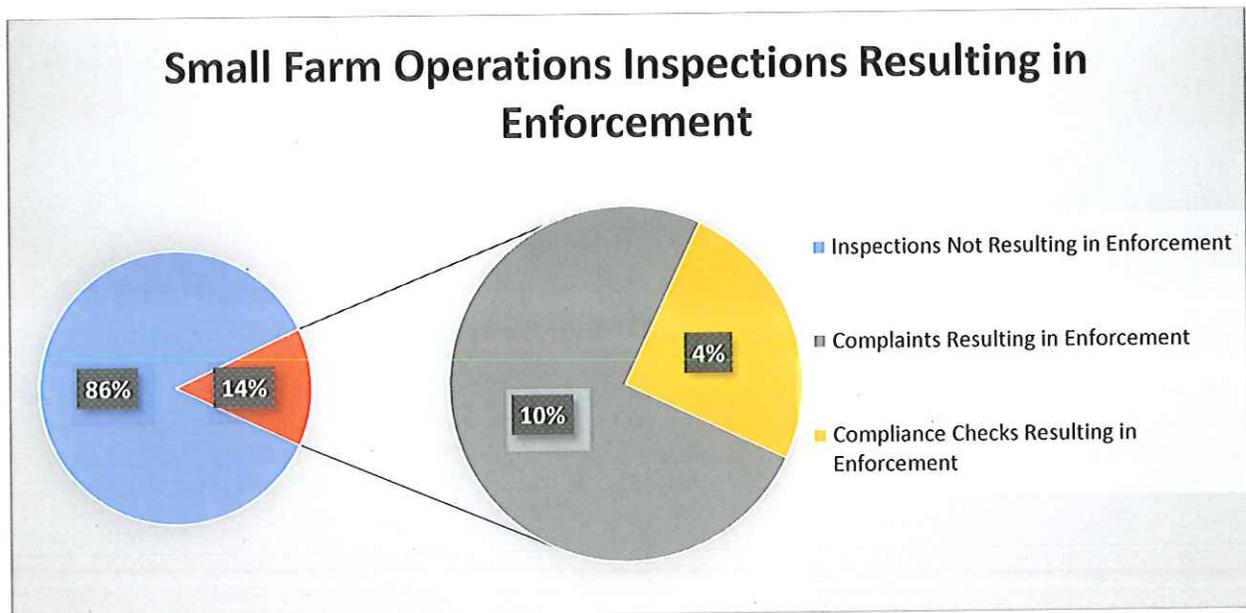


Figure 4. MFO General Permit Compliance: In 2015, a total of 172 visits were made to Medium Farm Operations. Of these, 107 inspections/surveys were conducted on medium farms to evaluate compliance with the State's MFO general permit conditions.

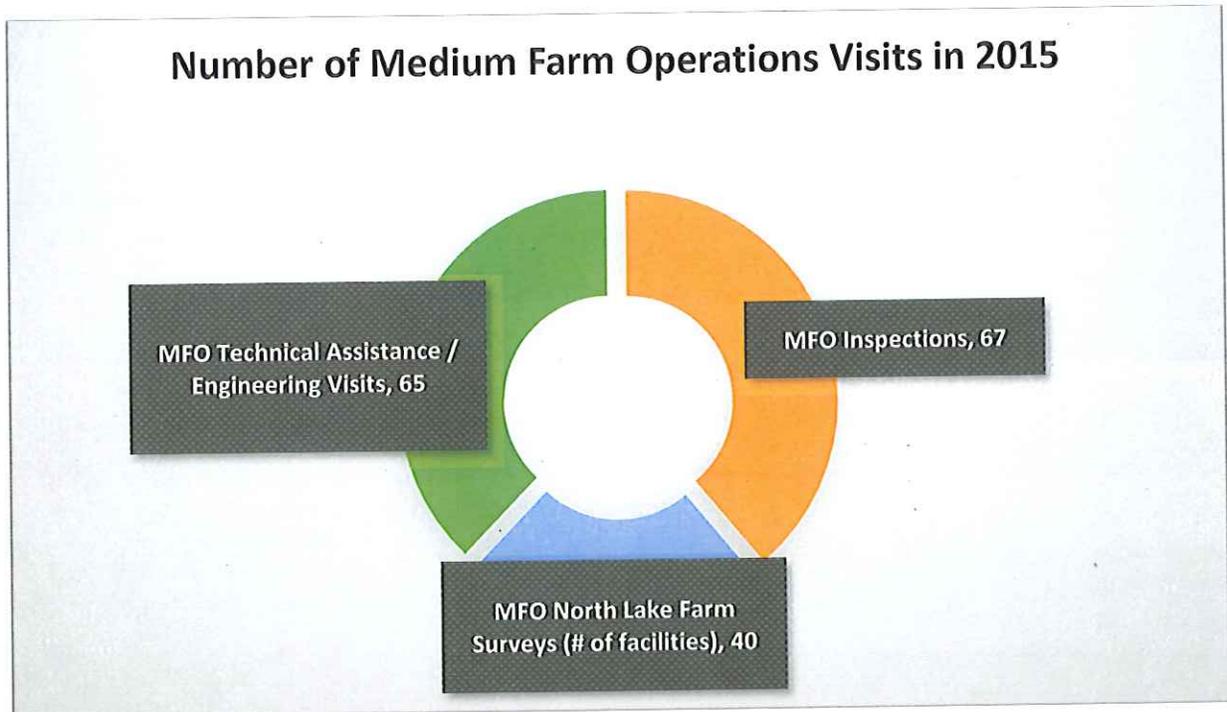


Figure 5. As a result of MFO inspections conducted in 2015, a total of four medium farms received formal enforcement actions and one enforcement action is pending, resulting in a regulatory compliance rate of 93%.

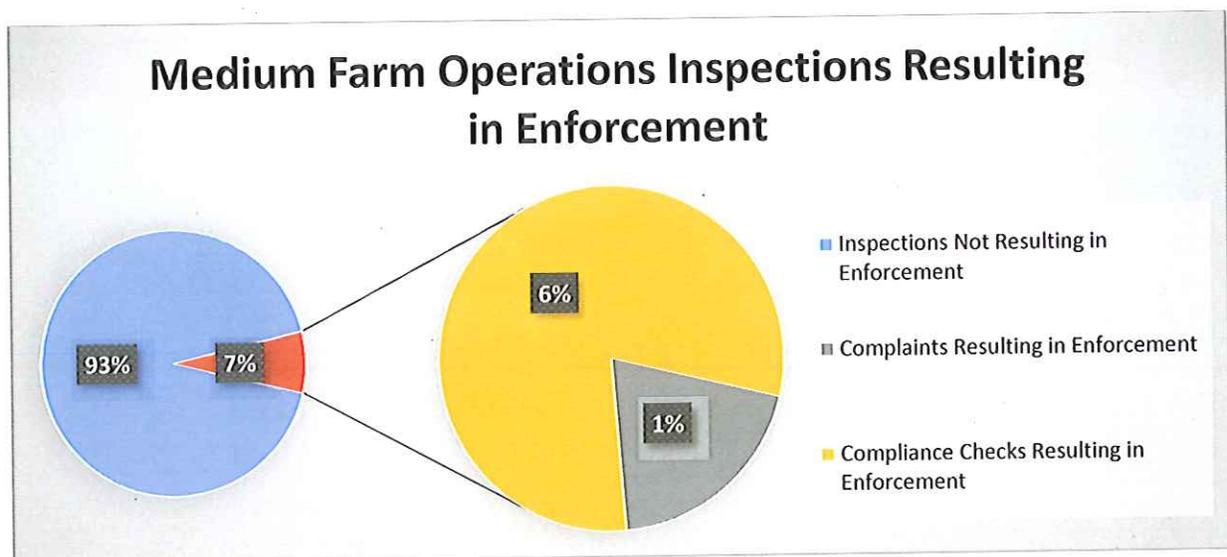


Figure 6. LFO Individual Permit Compliance: In 2015, a total of 125 visits were made to Large Farm Operations. Of these, 60 inspections/surveys were conducted to evaluate a farm's compliance with their individual LFO permit

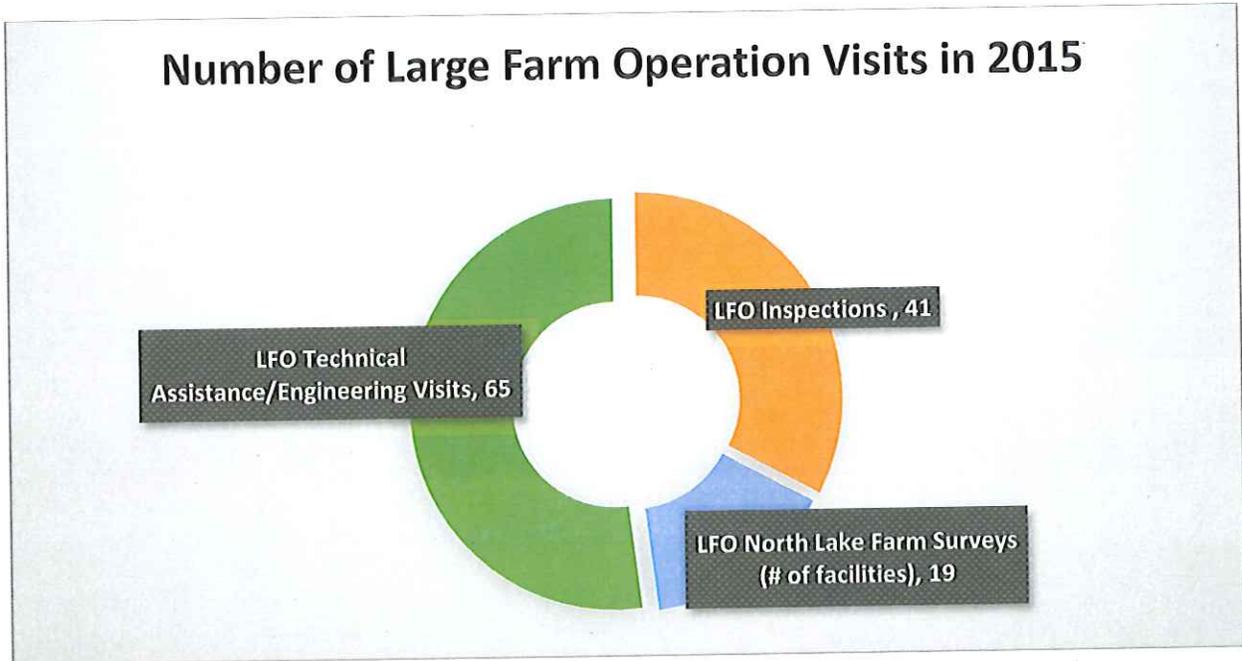


Figure 7. As a result of LFO inspections conducted in 2015, two large farms received formal enforcement actions and one enforcement action is pending, resulting in a regulatory compliance rate of 93%.

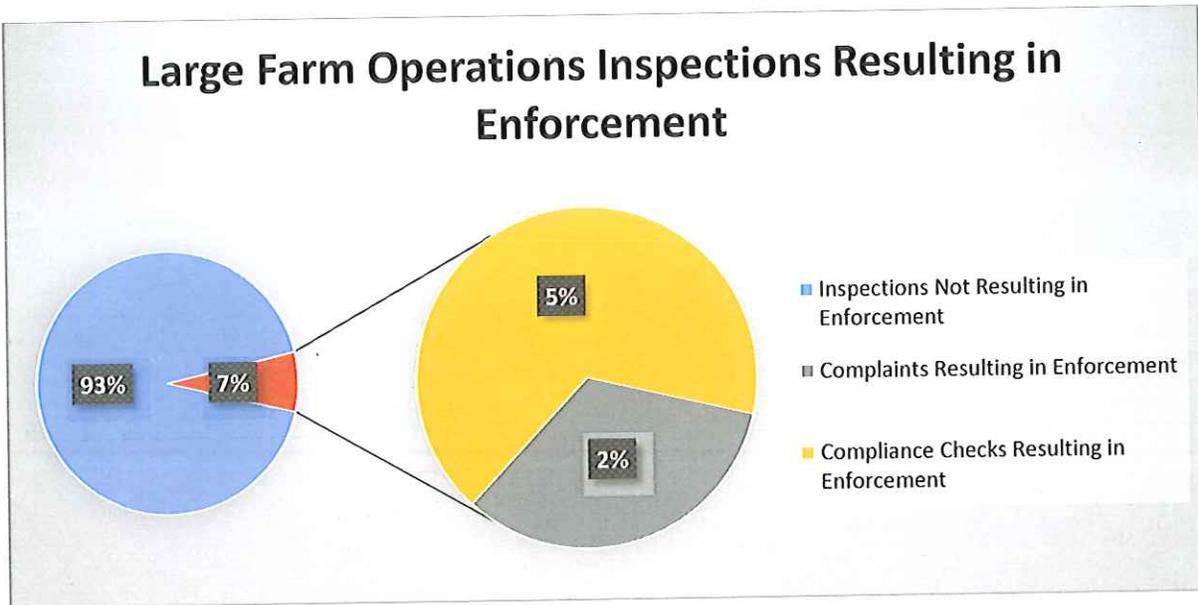
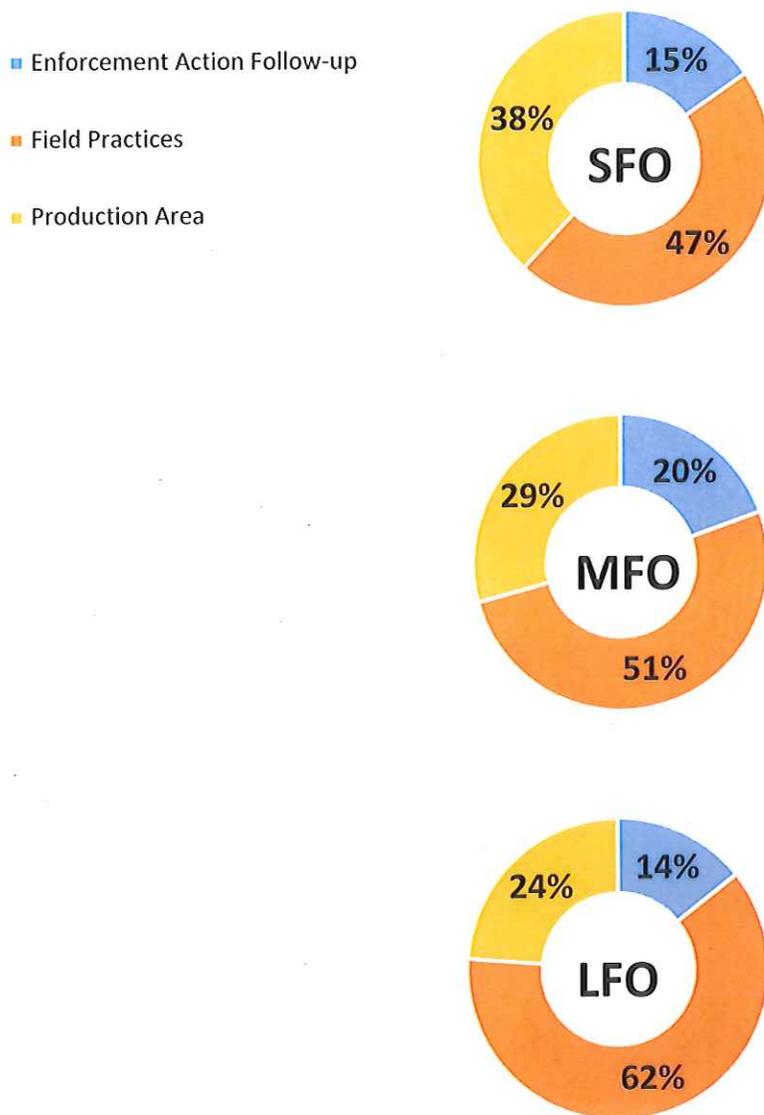


Figure 8. The Agency provides both regulatory services and non-regulatory services in the form of technical assistance. Technical assistance is provided by Agency Engineers, a Conservation Reserve Enhancement Program Coordinator, and also by the regulatory field staff. Agency staff will perform multiple technical assistance visits to ensure a farm moves steadily towards achieving compliance.



Figure 9. The following charts illustrate the general nature of the complaint-generated inspections and compliance checks conducted on small, medium, and large farms.



Note: This graphic is a companion piece to Table 5 in the 2015 Annual Report. To assist in the comparison between the three farm sizes, specific RAP requirements have been grouped as follows:

Field Practices includes: cropfield runoff – erosion, ditch maintenance/impacts to water, general compliance check – field practices, livestock pasturing near wells, manure management – field practices, spreading during the ban, spreading ban compliance checks, manure spreading exemption requests, pre-spreading ban compliance checks, and vegetative buffers.

Production Area includes: carcass disposal/slaughter waste, livestock access to water/streambank impacts, general compliance check – production area, manure management – production area, milkhouse waste, and silage leachate/waste feed.

Figure 10. This graphic is a companion piece to Table 4 in the 2015 Annual Report, and represents all compliance checks and inspections into alleged violations of RAPs, MFO and LFO inspections conducted in response to complaints, and MFO and LFO inspections that led to enforcement actions. This graphic does not track all MFO and LFO inspections conducted in 2015. Please see Figures 4 and 6 of this Appendix for a total number of MFO and LFO inspections conducted in 2015.

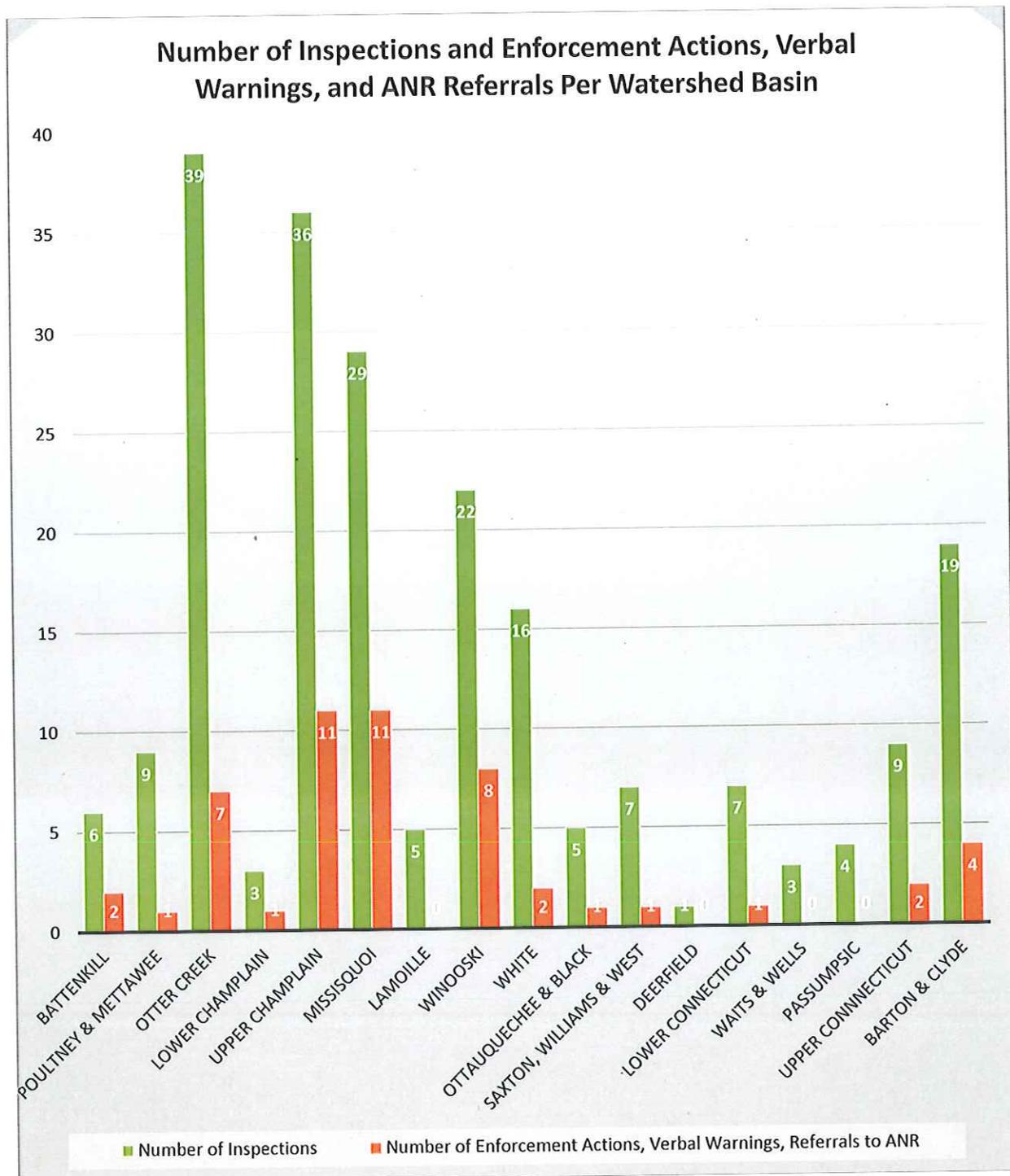


Figure 11. This chart illustrates the number of verbal warnings, ANR referrals, and enforcement actions issued by farm size for violations of the RAPs, MFO general permit, and LFO individual permits and Rules. To aid in the comparison of the nature of the violation by farm size, RAP requirements have been grouped into “production area” and “field practices”. Figure 11 below provides a breakdown of actions by individual RAP section. [Note - an enforcement action may include more than one count / violation of the RAPs or MFO / LFO permit requirements, so numbers of violations may exceed the total number of enforcement actions issued.]

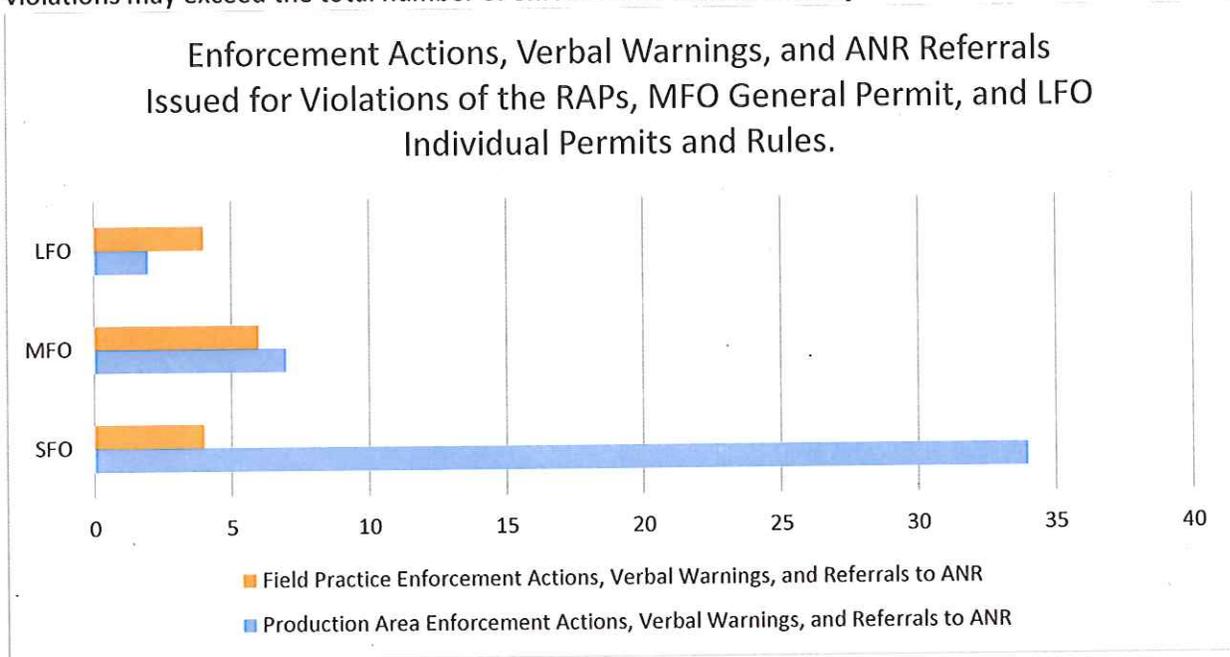


Figure 12. This chart provides a breakdown of verbal warnings, ANR referrals, and enforcement actions issued to small farms by specific sections of the RAP Rules. [Note - an enforcement action may include more than one count / violation of the RAPs, so numbers of violations may exceed the total number of enforcement actions issued.]

