



# Environmental Agriculture Program

## 10th Anniversary Edition

Annual Stakeholder Meeting  
February 18, 2016



**COLORADO**

**Division of Environmental  
Health & Sustainability**

Department of Public Health & Environment

# 10<sup>th</sup> Anniversary Special

Your Ag Program Team...

Chad DeVolin

Thaine Kramer

Bonnie Laws

Mike Sherry

&

Sean Scott



# 10<sup>th</sup> Anniversary Special

## Ag Program Retrospective: then & now

- Brief history of Colorado regulations/permits
- Statistical look at accomplishments
- 2015 Spring Rain Events



What we will cover today...

# 10<sup>th</sup> Anniversary Special

## What does the next decade hold?

- Compliance Assistance
- CAFO general permit renewal
- Changes to HCSFO inspections
- Environmental Leadership Program



What we will cover today...

# 10<sup>th</sup> Anniversary Special

## What does the next decade hold?

- NPDES E-Reporting Rule
- Regulation 81 & 85 Update
- Fees / Budget



What we will cover today...

# 10<sup>th</sup> Anniversary Special

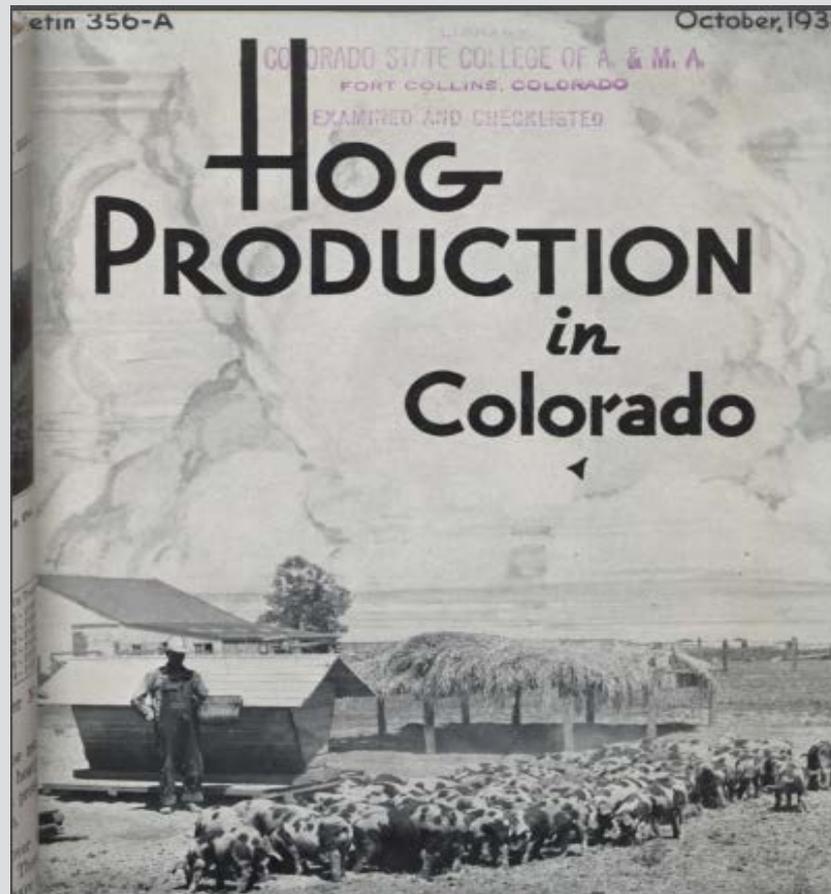
## Stakeholder perspective

- Tom Haren
- Tom McDonald
- Jennifer Charno Nelson
- Gary Chapman



What we will cover today...

# HISTORY OF COLORADO REGULATIONS/PERMITS





# History of Colorado Regulations/Permits

1972

- Clean Water Act (CWA) identifies feedlots as a point source for pollution



1974

- Colorado's Regulation 81 Animal Feeding Operations Regulation promulgated



1976

- EPA defines the term concentrated animal feeding operation (CAFO) and develops effluent limitation guidelines (ELGs) for CAFOs



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII  
1860 LINCOLN STREET  
DENVER, COLORADO 80203

NOV 27 1974

Our Ref: 8A-EE

CERTIFIED MAIL

*Permit No. CO-0028207*

Dear Mr. :

Herewith enclosed is the NPDES permit for \_\_\_\_\_  
\_\_\_\_\_. This permit shall  
become effective and issued thirty (30) days following your  
receipt of this mailing, unless within ten (10) days following  
the date of receipt you submit a request for an adjudicatory  
hearing in accordance with the provisions of 40 CFR Section  
125.36. Such request must be addressed to:

John A. Green  
Regional Administrator  
U.S. Environmental Protection Agency





# COLORADO DEPARTMENT OF HEALTH

4210 E. 11TH AVENUE

DENVER 80220

PHONE 388-6111

ANTHONY ROBBINS, M.D., M.P.A. EXECUTIVE DIRECTOR

December 17, 1976

CERTIFIED MAIL:

418307

Re: Final Permit, NPDES Permit Number: CO-0028207 (Sedgwick County)

Gentlemen:

Enclosed please find a copy of the permit issued under the Federal Water Pollution Control Act and Colorado Water Quality Control Act.





# History of Colorado Regulations/Permits

1998

- Amendment 14 passes requiring housed commercial swine feeding operations (HCSFOs) to obtain individual discharge permits and air permits

1999

- Regulation 2, Part B adopted (HCSFO odor)
- Regulation 61 amended to include HCSFO requirements
- First HSCFO permits issued
- CLA requests general permit for CAFOs

2001

- First CAFO general permit issued (COG93000)



# History of Colorado Regulations/Permits

2003

- EPA updates CAFO regulations

2004

- Regulation 61 updated to reflect EPA 2003 rule

2005

- *Waterkeeper Alliance v. EPA* strikes down parts of the 2003 EPA rule
- Environmental Agriculture Program established
- Second CAFO general permit issued (COA931000)



# History of Colorado Regulations/Permits

2006

- HCSFO discharge permits renewed
- Senate Bill 06-114 is passed, revising odor regulations for HCSFOs
- Regulation 2, Part B amended

2007

- Contracts with local public health agencies established for HCSFO inspection and complaint response – partly because of SB 06-114 changes

2008

- EPA revises CAFO regulations based on the outcome of the *Waterkeeper* ruling in 2005



# History of Colorado Regulations/Permits

2011

- Regulation 61 updated to align with EPA's 2008 rule
- HCSFO discharge permits renewed



2012

- Third CAFO general permit issued (COA932000)

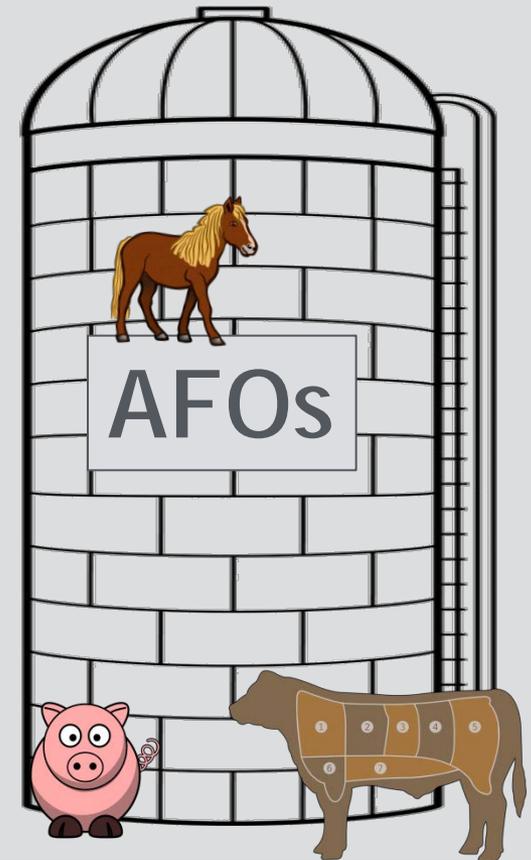


2014

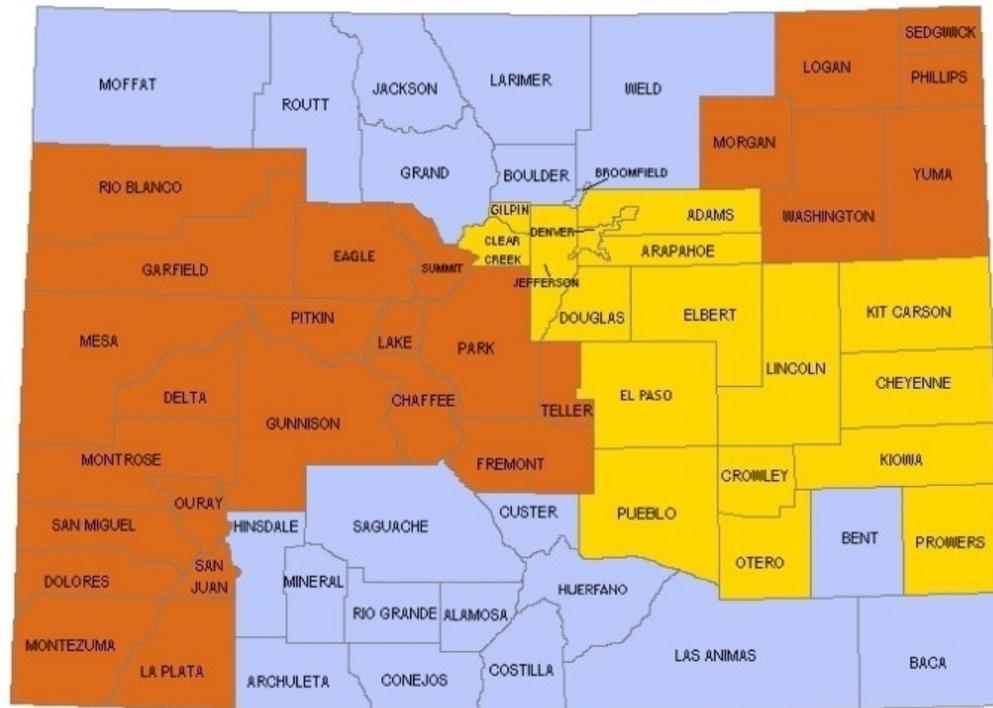
- HCSFO discharge permits renewed

# 2005 – Ag Program Organization

## Facility Type



# 2010 – Ag Program Organization Regional Approach



Bonnie Laws: 303-692-2499



Mike Sherry: 303-692-3614



Thaine Kramer: 303-692-3523

Chad DeVolin - Workgroup Leader: 303-692-3520

Sean Scott - Deputy Director: 303-692-3422



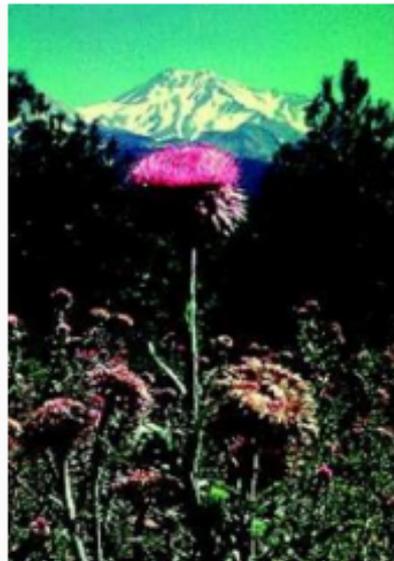
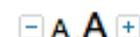
# Possession of thistle: Colorado cracks down on new illegal weed

Article

Comments (0)



0



ALL |

The reddish-purple plumeless thistle is targeted for eradication in Colorado in 2005. Photo provided.

With weed season on its way in Pitkin County, officials are warning that failing to keep yards free of certain pests could draw penalties and fines. One of this county's most notorious weeds - the reddish-purple plumeless thistle - is on a statewide list of three weeds to eradicate in 2005. Jim Lewis, Pitkin County vegetation manager, said property owners must get rid of the weed "no matter what." "Noxious weeds take over all the native vegetation, inhibiting wildlife forage and recreation, and decreasing property values," Lewis said. "In Montana and California some weeds have already made huge economic impacts in agriculture."



# Why Legal Weed is Working in Colorado

Inside the debut of the world's first retail marijuana market

By Alex Altman/Denver @aaltman82 | Jan. 06, 2014 | 53 Comments

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G+ 10

in Share 5

Pin it

Read Later

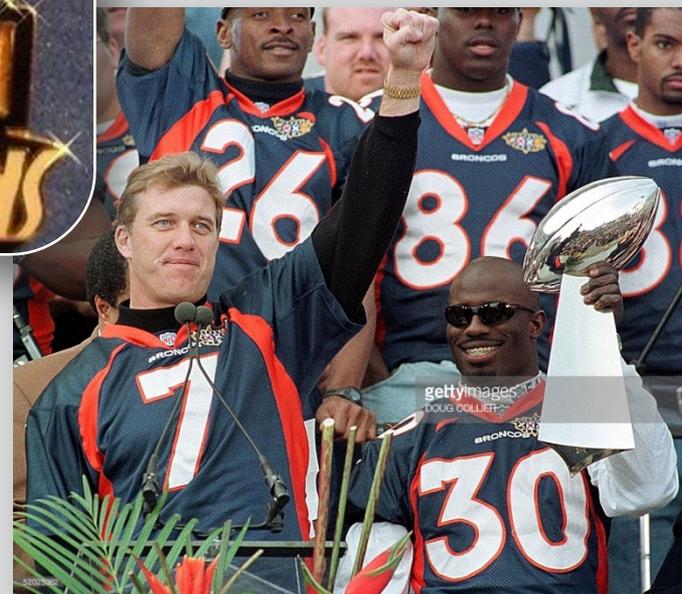
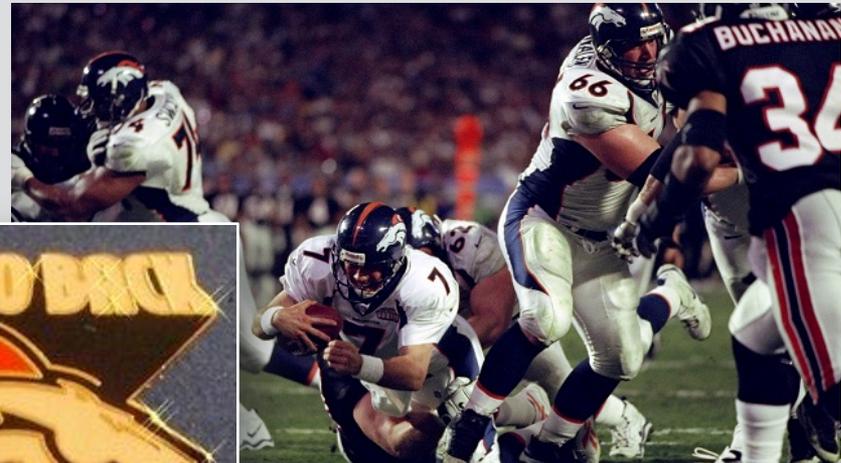
The center of the movement to legalize pot is in a red sandstone building a few blocks from Colorado's state capitol in Denver. The activists who work there call it the marijuana mansion. Sprawling and a little shabby, with stained glass and dormer windows, it houses some of the country's top cannabis lawyers, as well as a policy group that advocates for the reform of pot laws and the industry's growing trade association. On the first Friday in January—Day 3 of Colorado's grand experiment with retail pot sales—Christian Sederberg, an attorney who helped implement the law, was lounging in a room off the mansion's foyer, exulting in the success of its debut.



Jamie Chung for TIME



# 1998-1999 BACK-TO-BACK SUPER BOWL CHAMPIONS!



# 2016 BRONCOS WIN SUPER BOWL 50!



Which Broncos player plans to be a chicken farmer when he retires from the NFL?

- A. Peyton Manning
- B. DeMarcus Ware
- C. Von Miller
- D. Brandon McManus

0%

0%

0%

0%

A.

B.

C.

D.



**JEOPARDY!**



**Von Miller's post-NFL dreams include becoming a chicken farmer**



# STATISTICAL LOOK AT ACCOMPLISHMENTS

- Permitting / Registration
- Inspections
- Complaints
- Enforcement

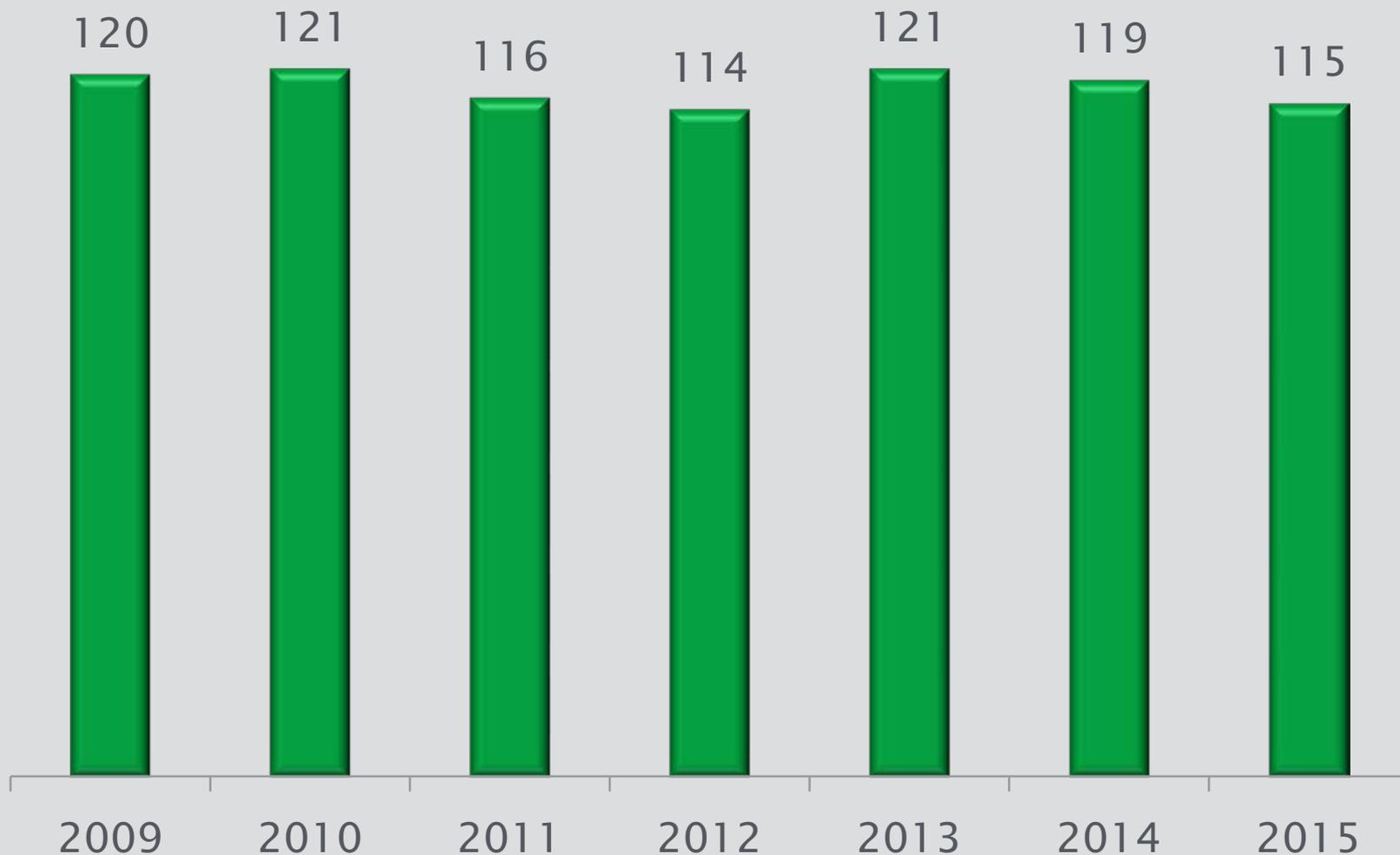


# Permitting/Registration



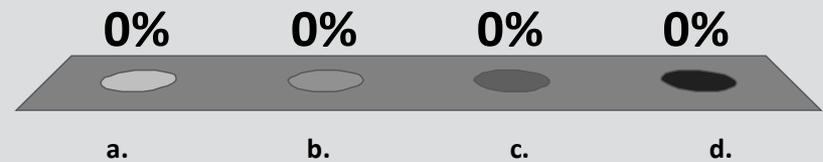


# CAFO Registrations



How many facilities were certified under Colorado's first CAFO permit?

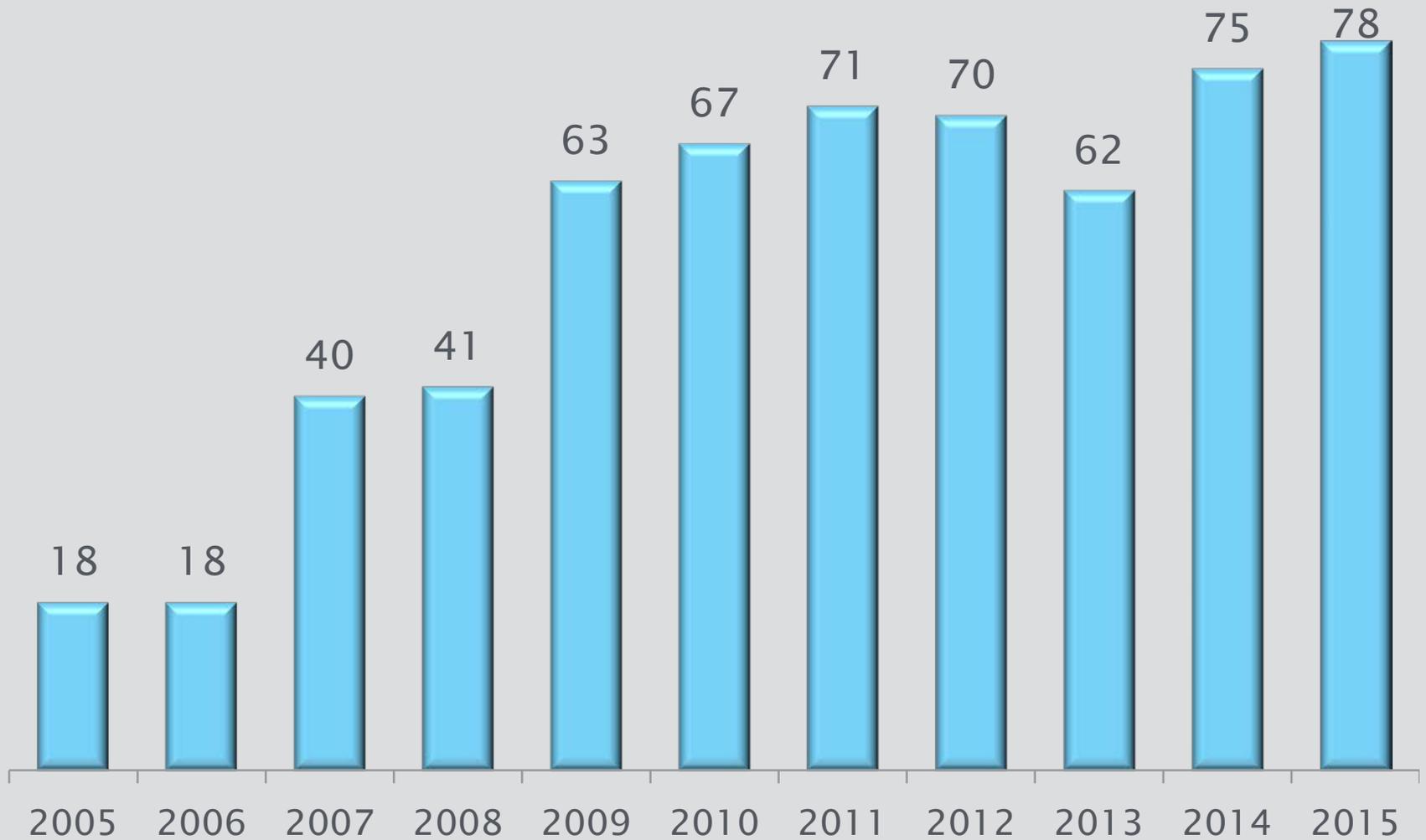
- a. 18
- b. 26
- c. 49
- d. 71



**JEOPARDY!**



# CAFO Permits



# 2015 – Colorado's First Individual CAFO Permit COI-932000

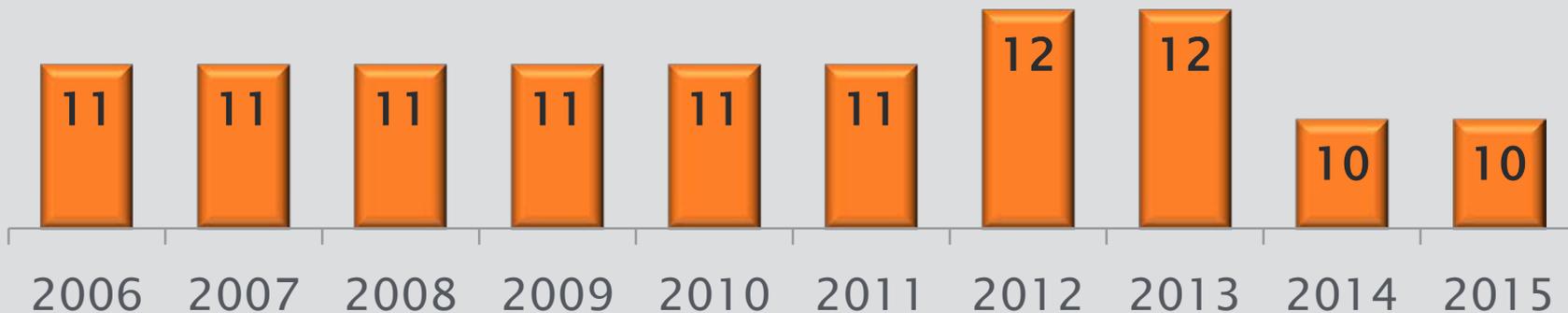
- ▶ Voluntary Alternative Performance Standards – 61.17(7)
  - Isolated system – trough water overflow
  - Treatment – filtration / UV purification
  - Effluent limitations established
  - Monthly testing / quarterly reporting
  - Improving local stream quality





# HCSFO Permits

## Water Permits



## Air Permits



How many sites (individual farms) are included in the 10 HCSFO permits?

- A. 10
-  B. 93ish
- C. 83
- D. 71



**JEOPARDY!**

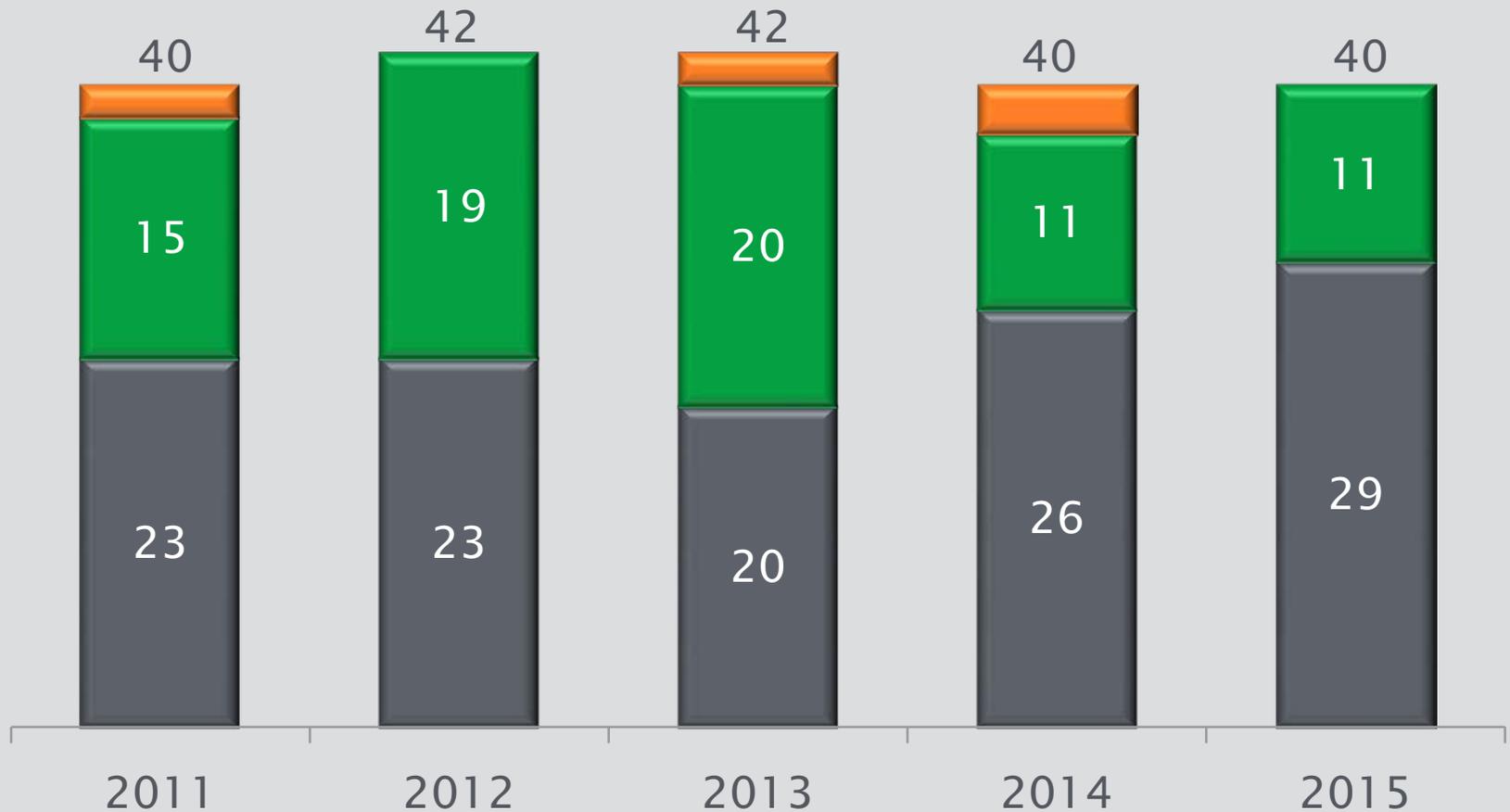
# Inspections





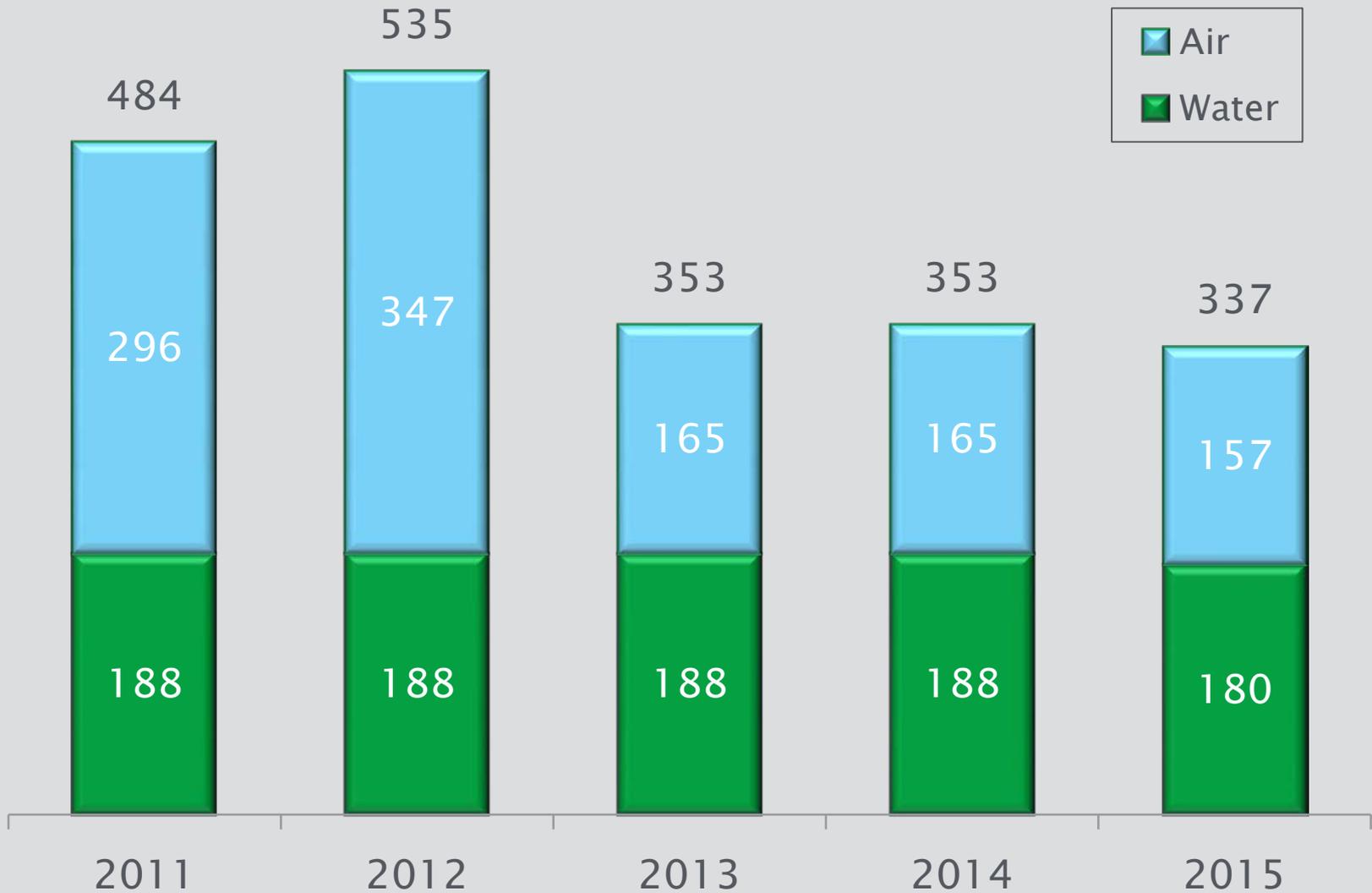
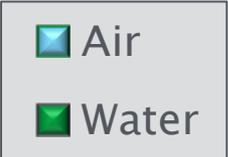
# CAFO/AFO Compliance Inspections

- AFOs
- Permitted CAFOs
- Registered CAFOs





# HCSFO Compliance Inspections





# CAFO/AFO Other Inspections





## Inspection Year 2015 Expected Corrective Action (ECA) Summary

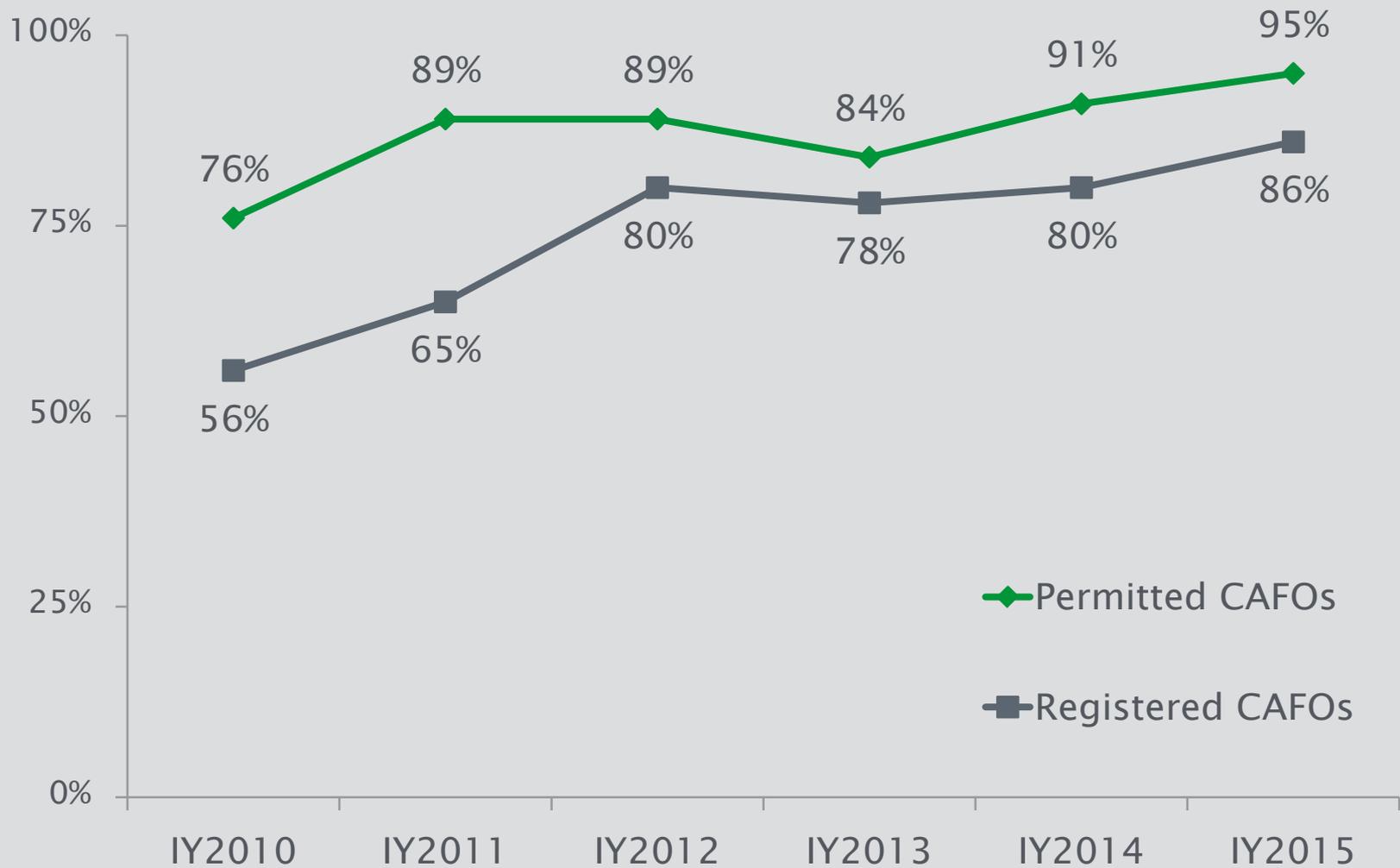
Type of Facility	Total No. of Inspections	Inspections w/ECAs	Average No. of ECAs per Inspection	Min No. of ECAs	Max No. of ECAs
AFO	0	NA	NA	NA	NA
Registered CAFO	29	27	4	0	10
Permitted CAFO	11	9	3	0	10
Follow-Up (both CAFOs)	8	8	3	1	6
HCSFO	337	30	2	0	3

# Inspection Analysis– Behind the Beans



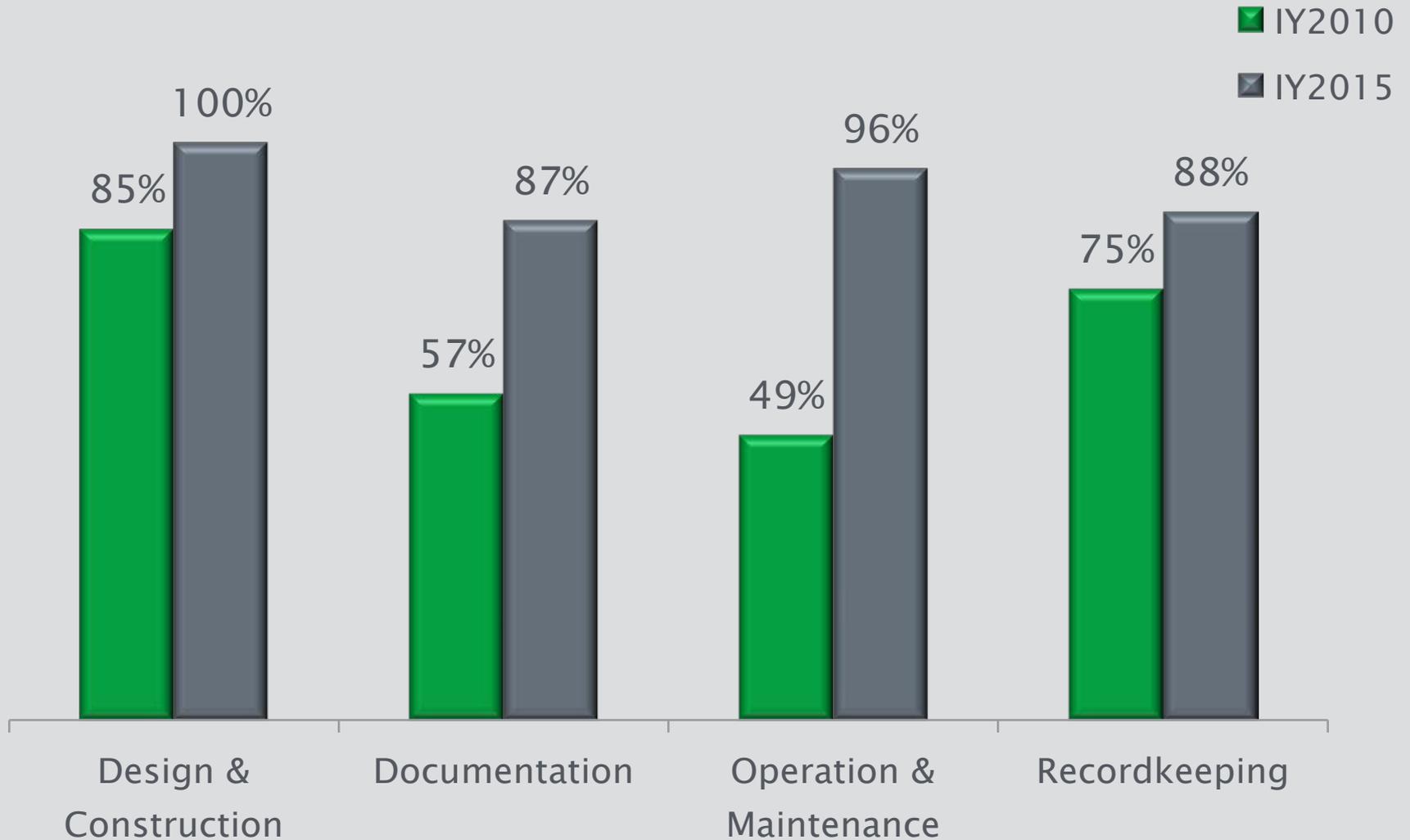


# Overall Compliance (CAFOs)





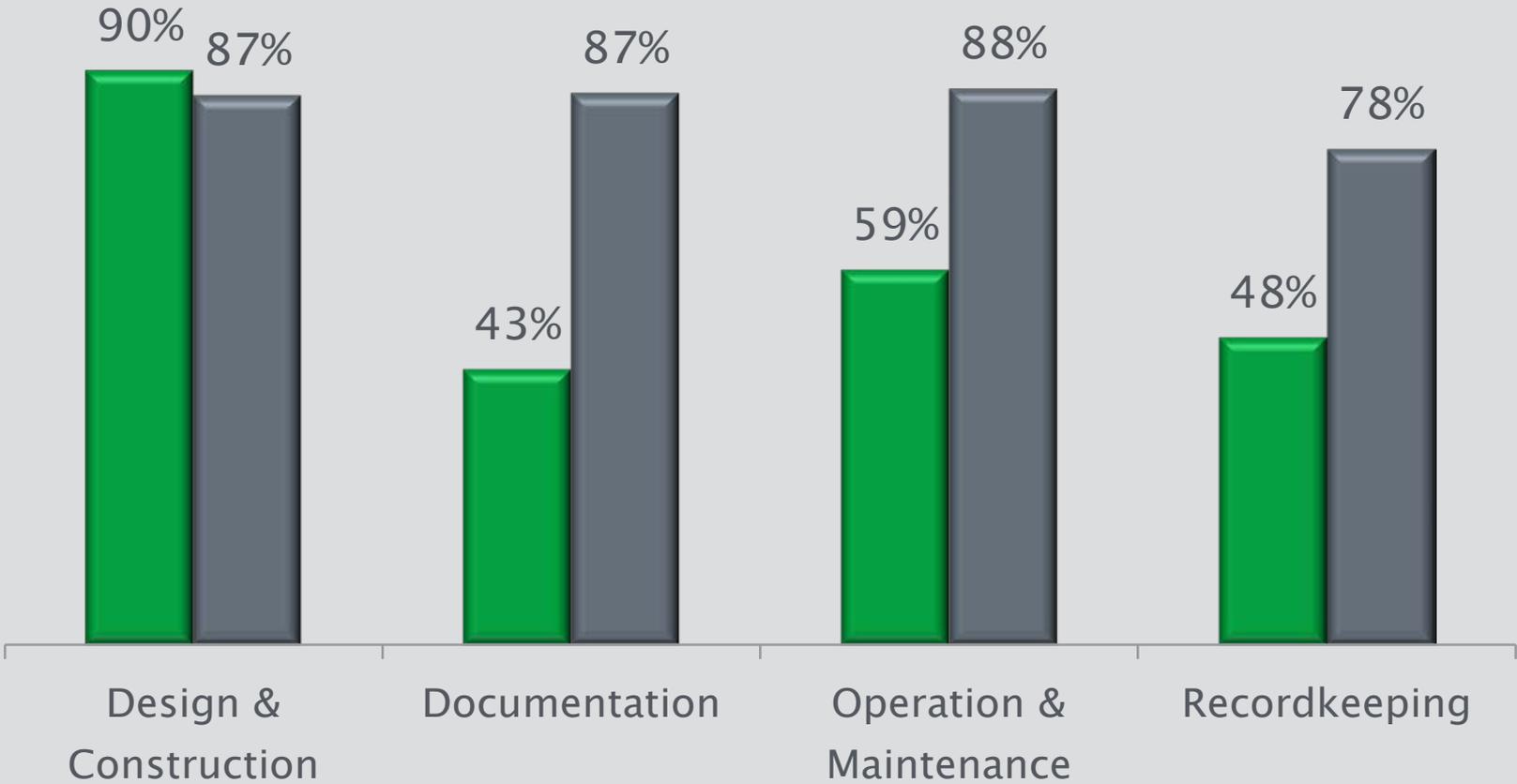
# Groundwater Requirements Permitted CAFOs





# Groundwater Requirements Registered CAFOs

■ IY2010  
■ IY2015



# Groundwater Requirement Issues Permitted and Registered CAFOs

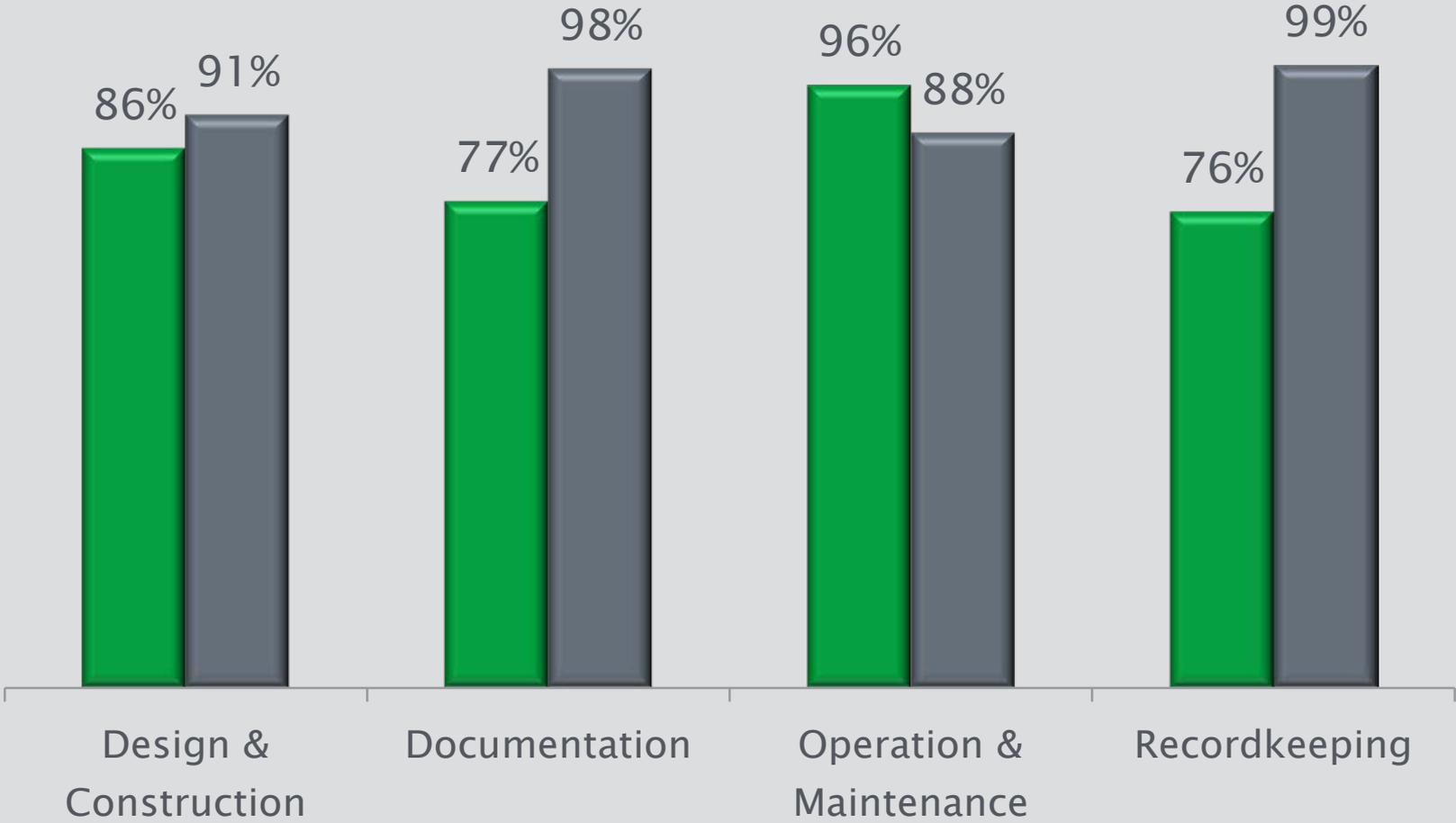
- Operation & Maintenance:
  - Ponding in conveyances
  - Impoundment maintenance (weeds, erosion, etc)
- Recordkeeping:
  - Inspections not conducted or missing information
  - Manure removal from impoundments not certified
  - Not maintained for a minimum of 5 years





# Production Area Requirements Permitted CAFOs

■ IY2010  
■ IY2015

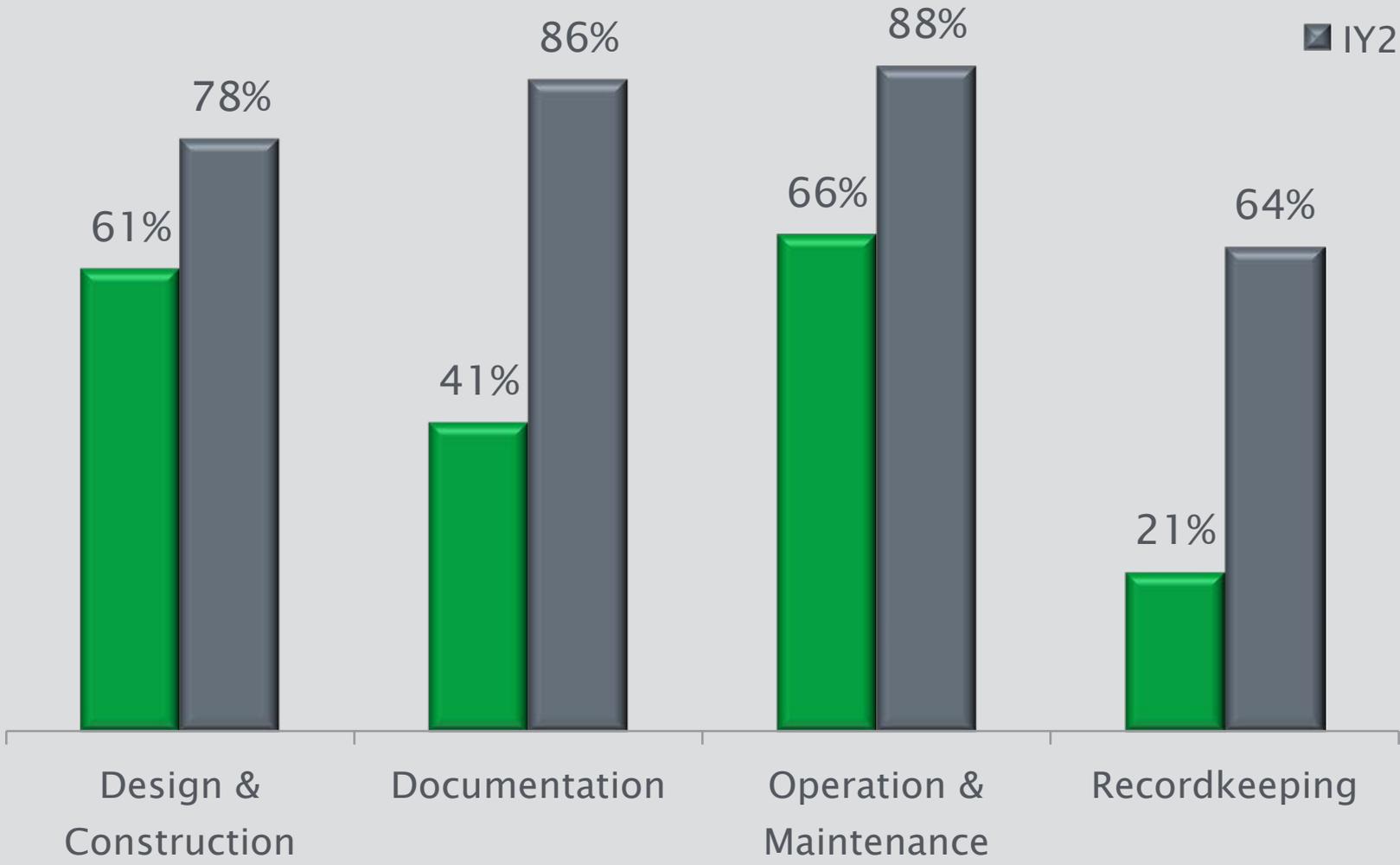




# Production Area Requirements Registered CAFOs

■ IY2010

■ IY2015



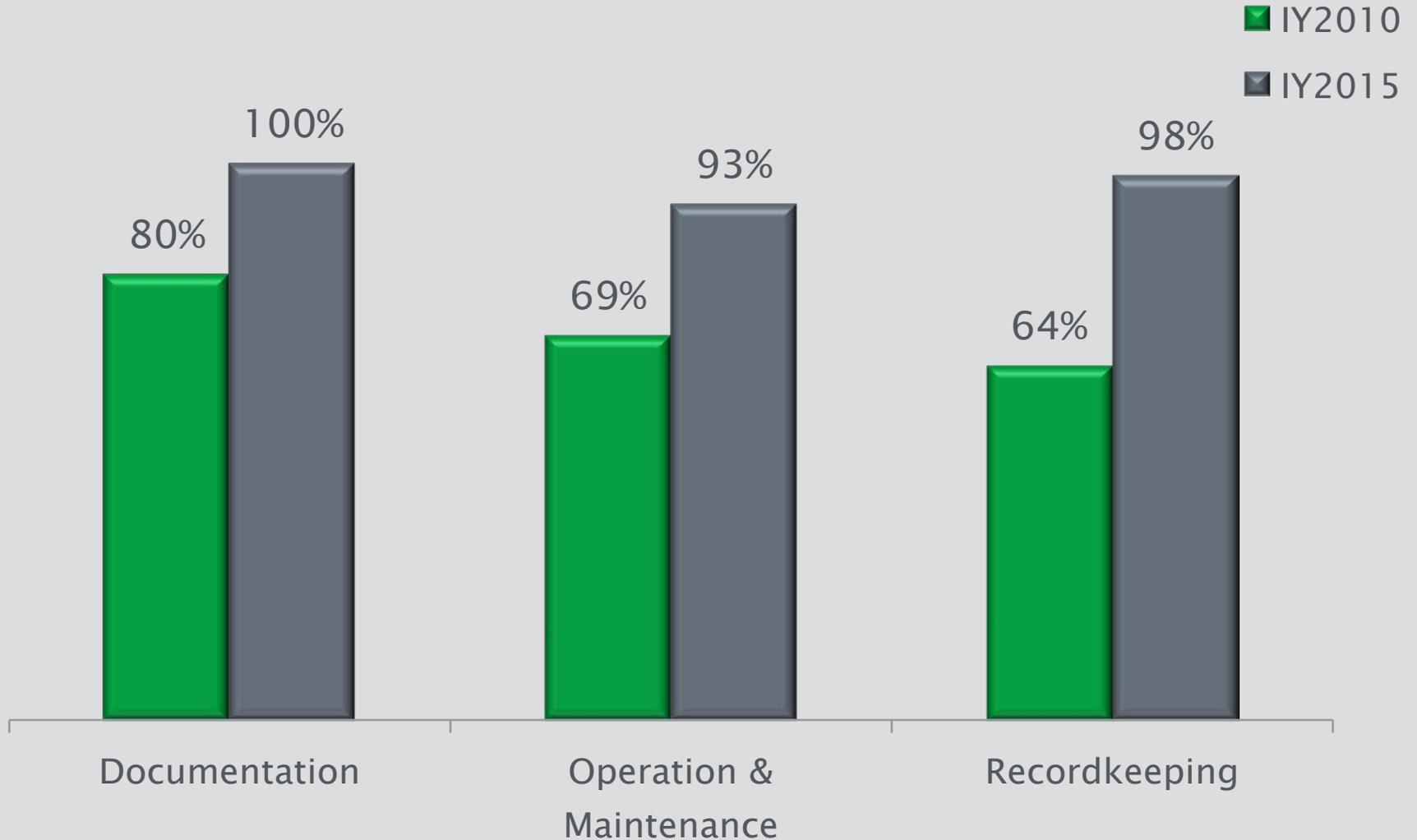
# Production Area Issues Permitted and Registered CAFOs

- Recordkeeping:
  - Inspections not conducted
  - Inspections missing required information
  - Not maintained for a minimum of 5 years





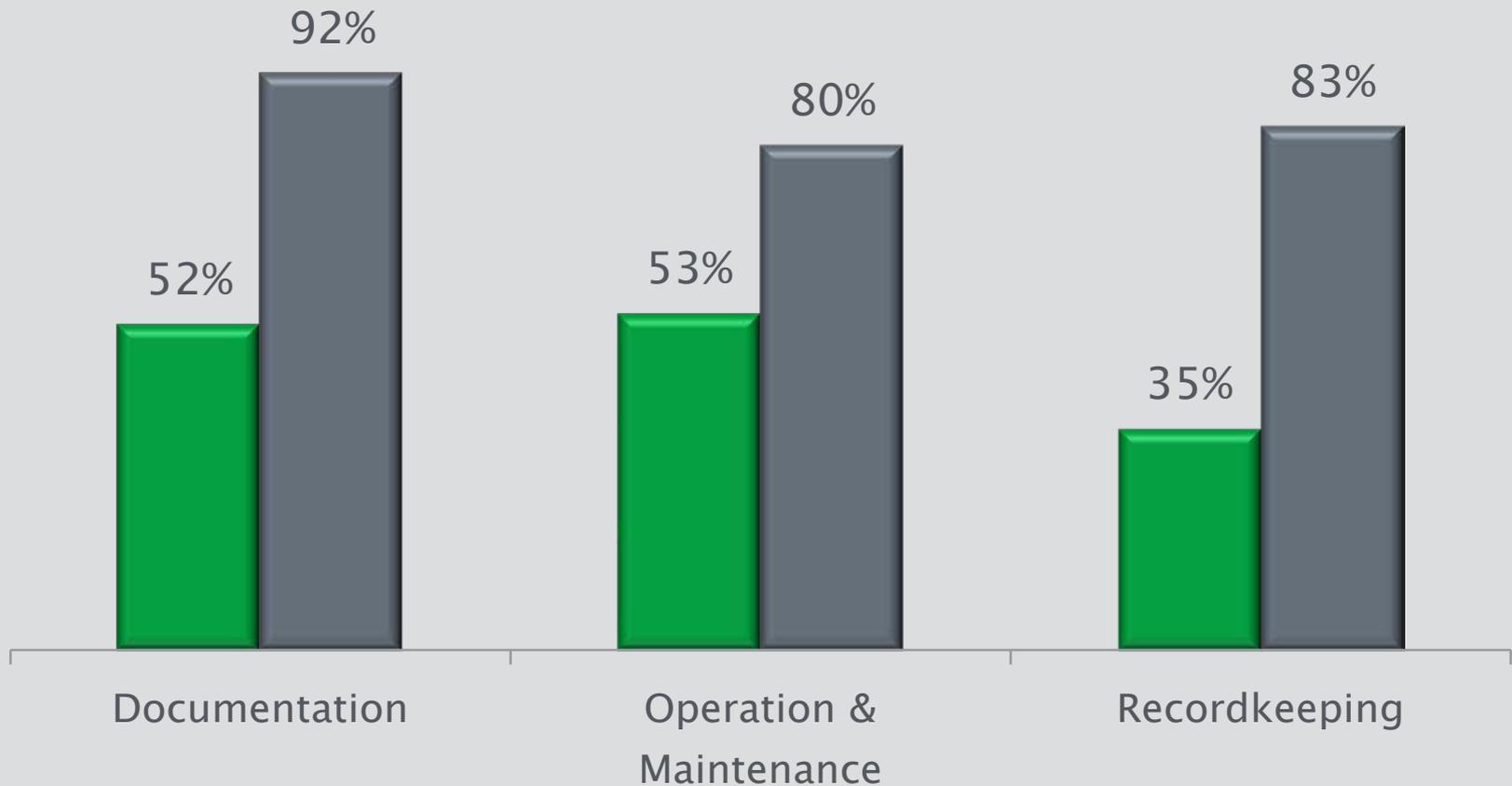
# Land Application Requirements Permitted CAFOs





# Land Application Requirements Registered CAFOs

■ IY2010  
■ IY2015



# Land Application Requirement Issues Registered CAFOs

- O&M and Recordkeeping:
  - Phosphorus risk assessments
  - Nutrient application rate calculations
  - Manure/wastewater applied according to FMP protocols



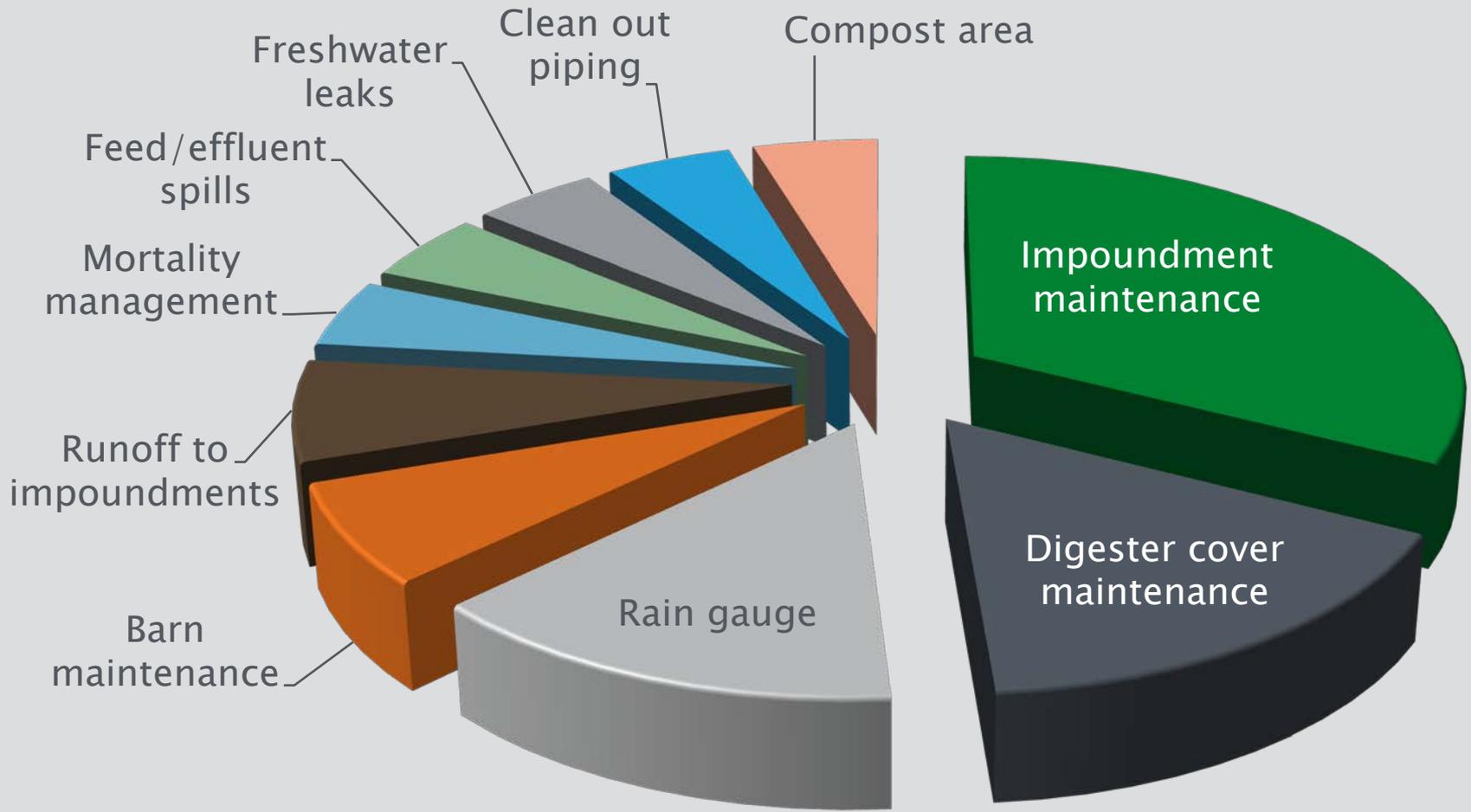


# HSCFO Inspections

	IY2011	IY2015
No. of inspections	447	337
Sites with ECAs	20	30
No. of ECAs identified	77	43
Compliance advisories issued	4	2
Formal enforcement referrals	1	0

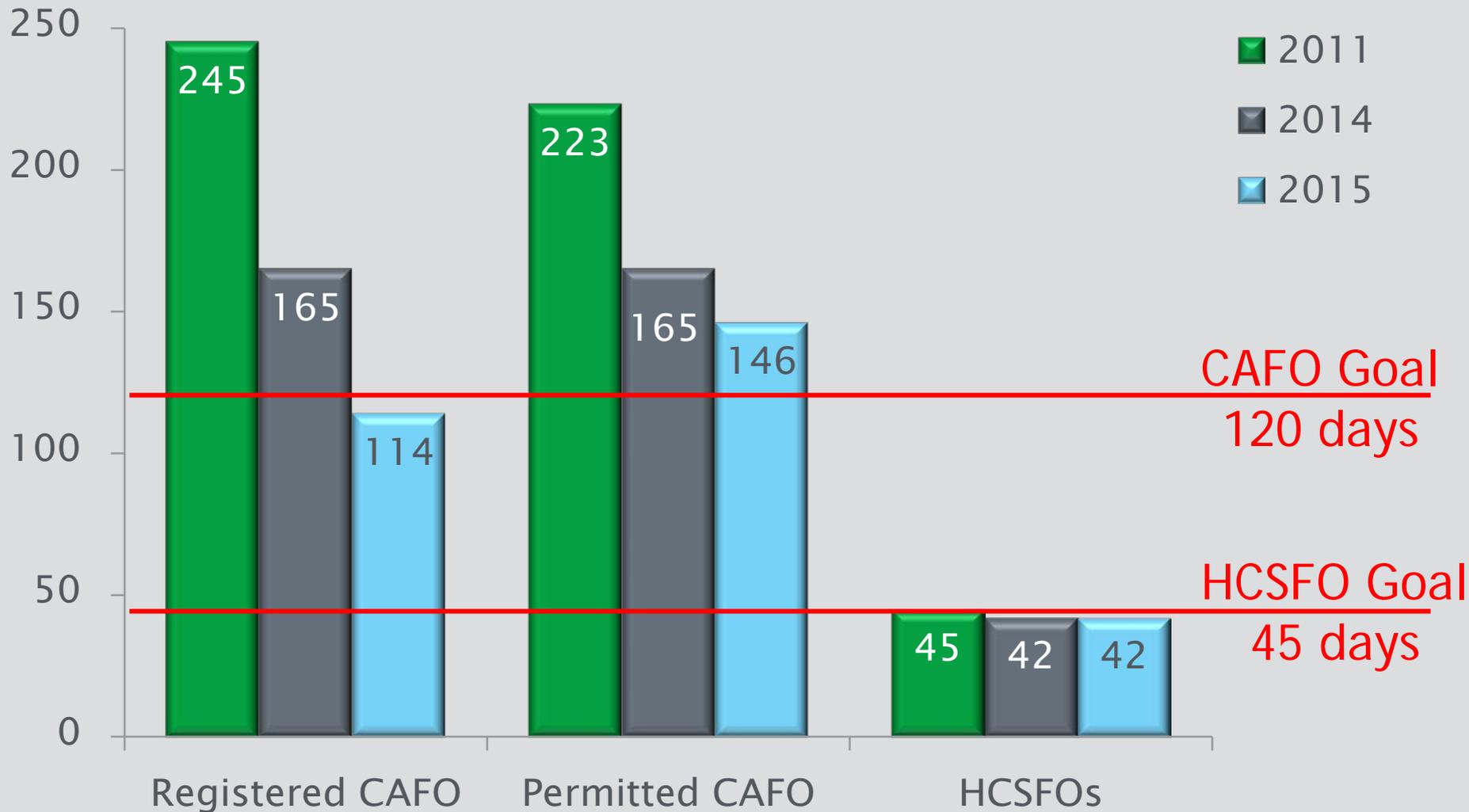


# HCSFO Corrective Actions IY2015





# Inspections – Days to Return to Compliance



# Inspection Response Time

- Decrease in days out of compliance
  - Fewer outstanding ‘big’ issues
  - Improving communications
  - Post-inspection form
  - Changes to final report
  - Faster turn-around (from our end)

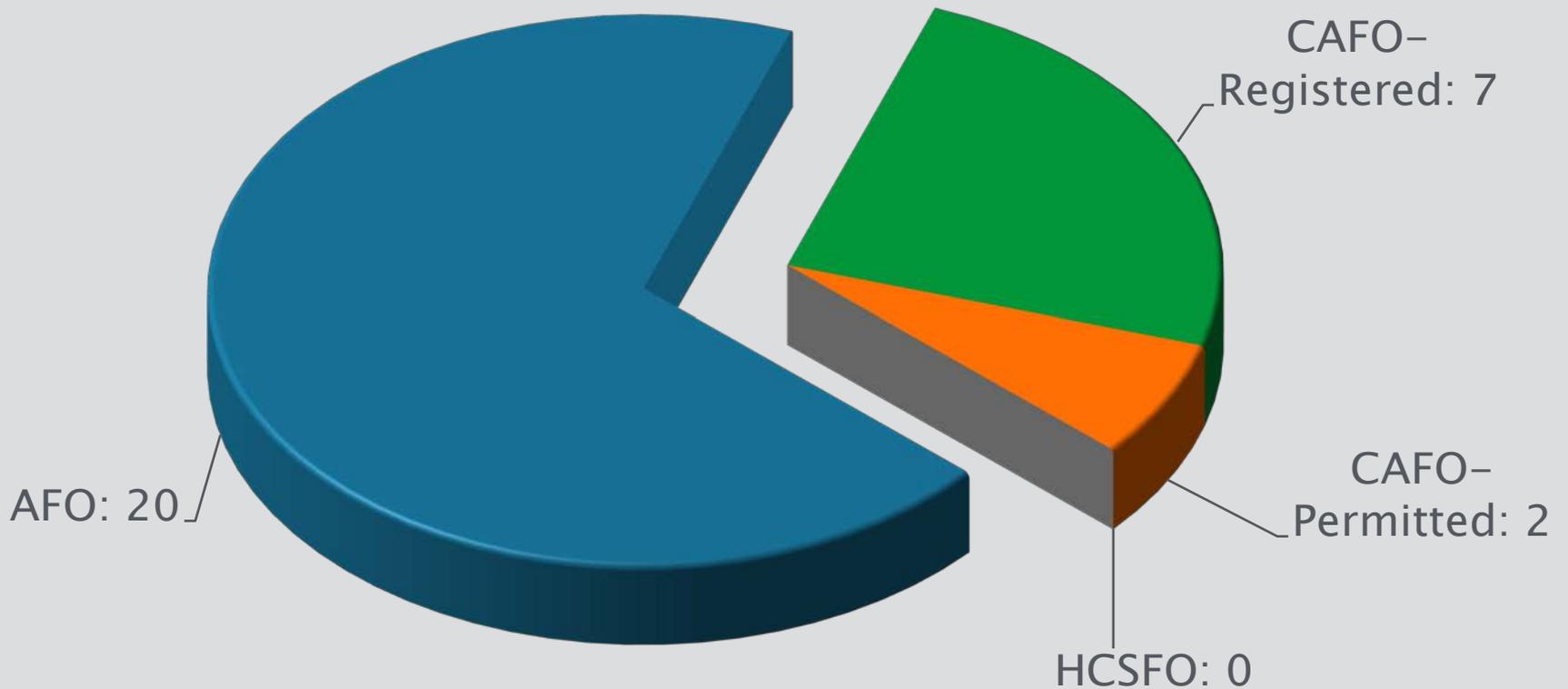


# Complaints



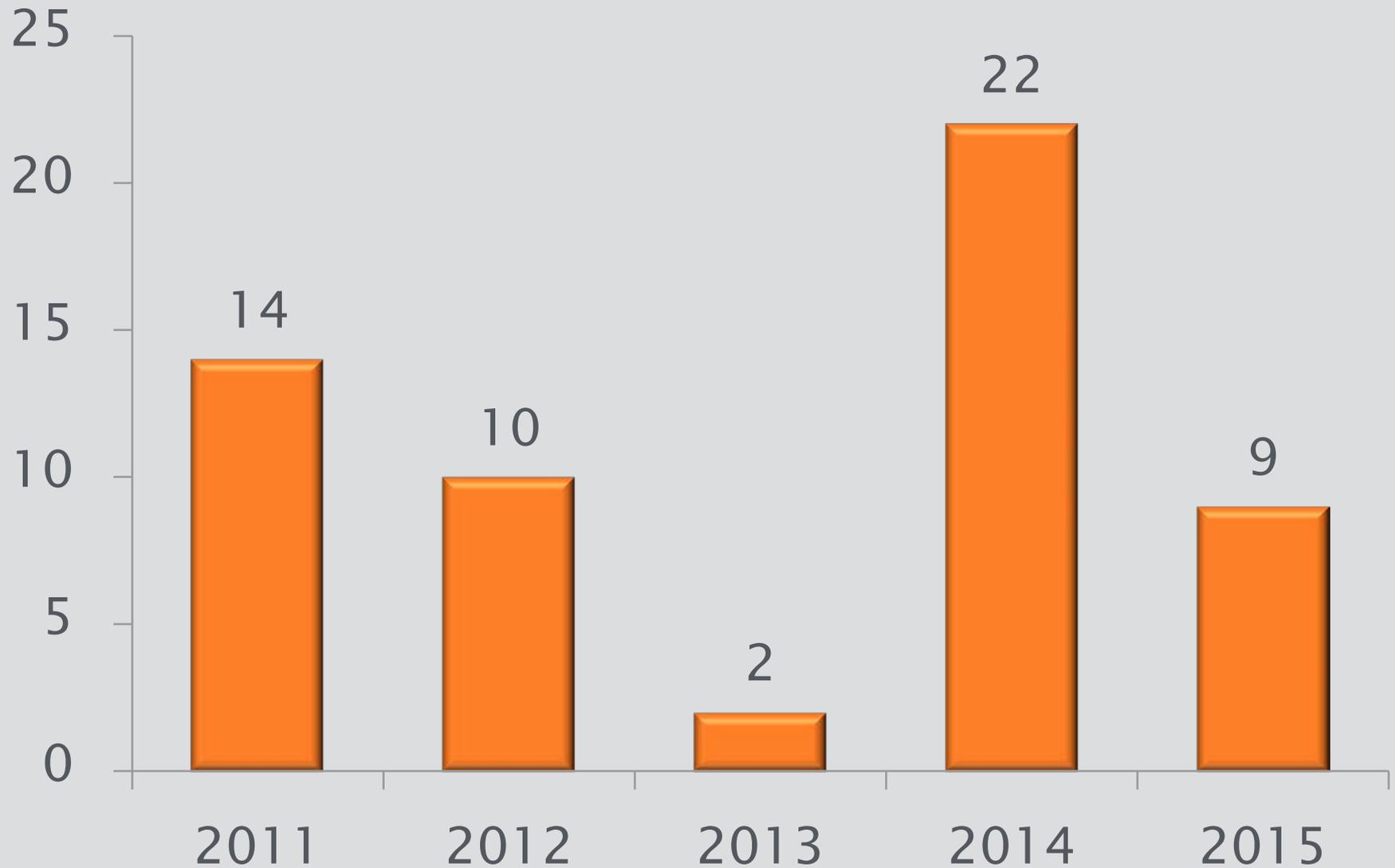


# 2015 Complaint Breakdown



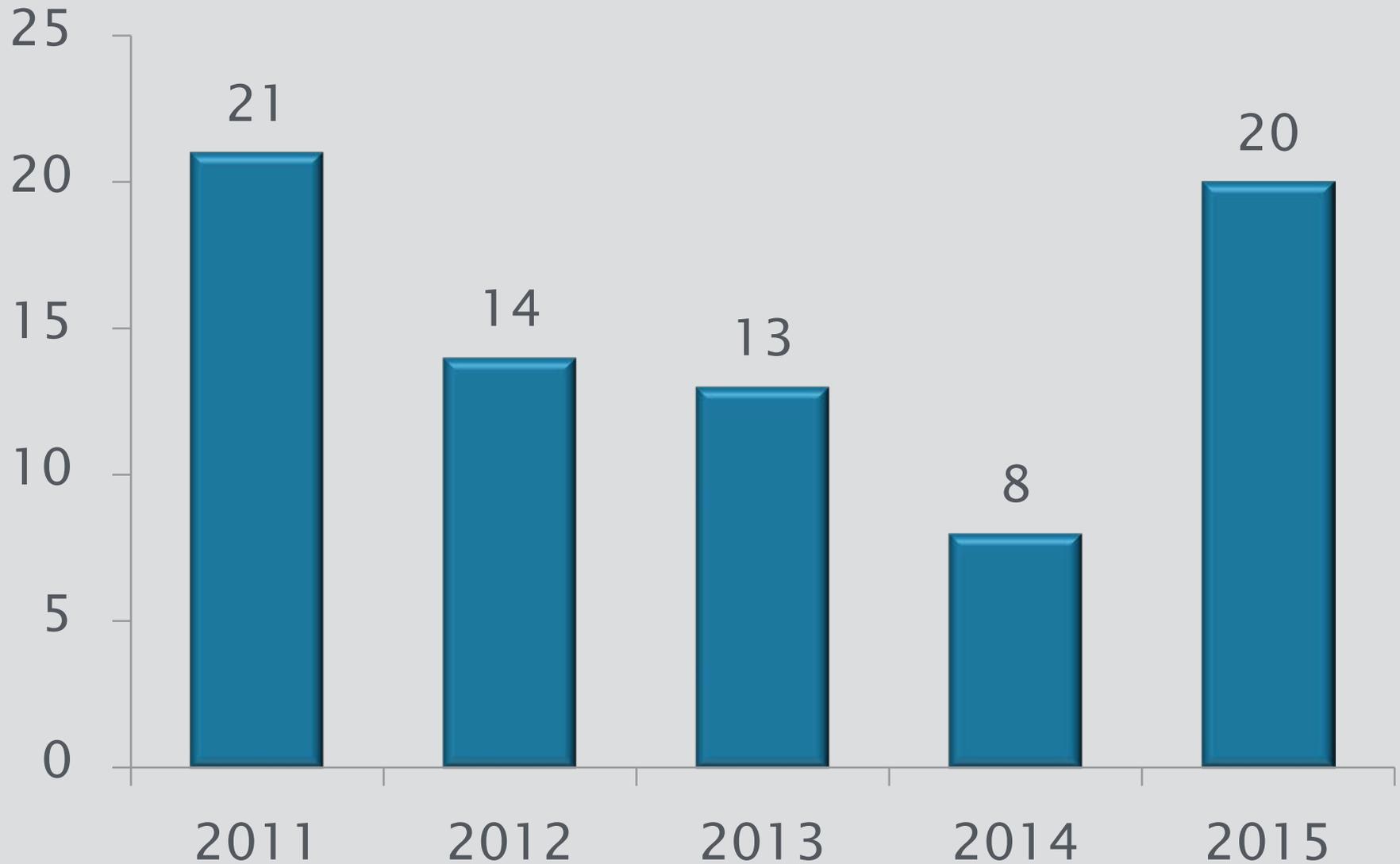


## CAFO Complaints



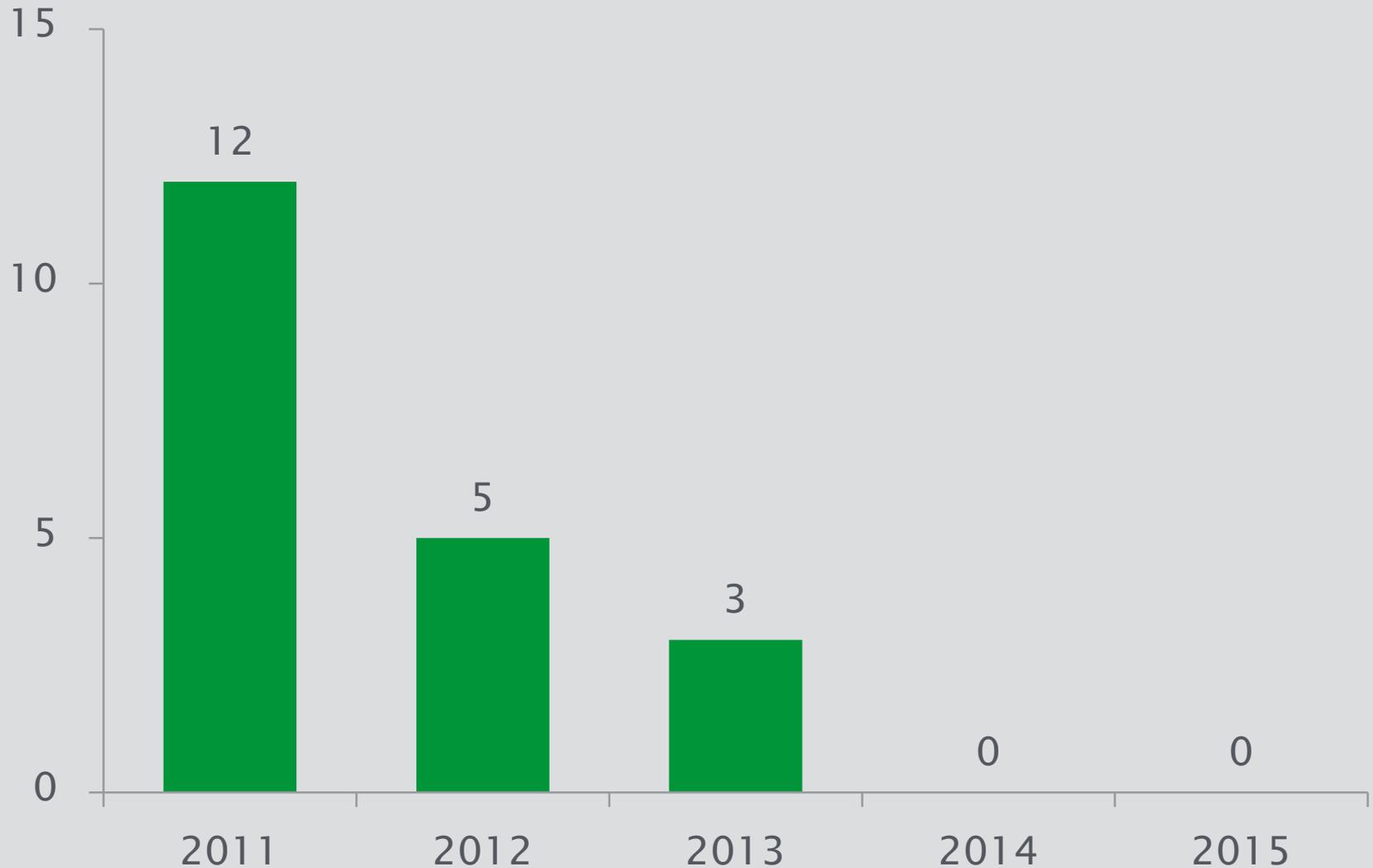


## AFO Complaints



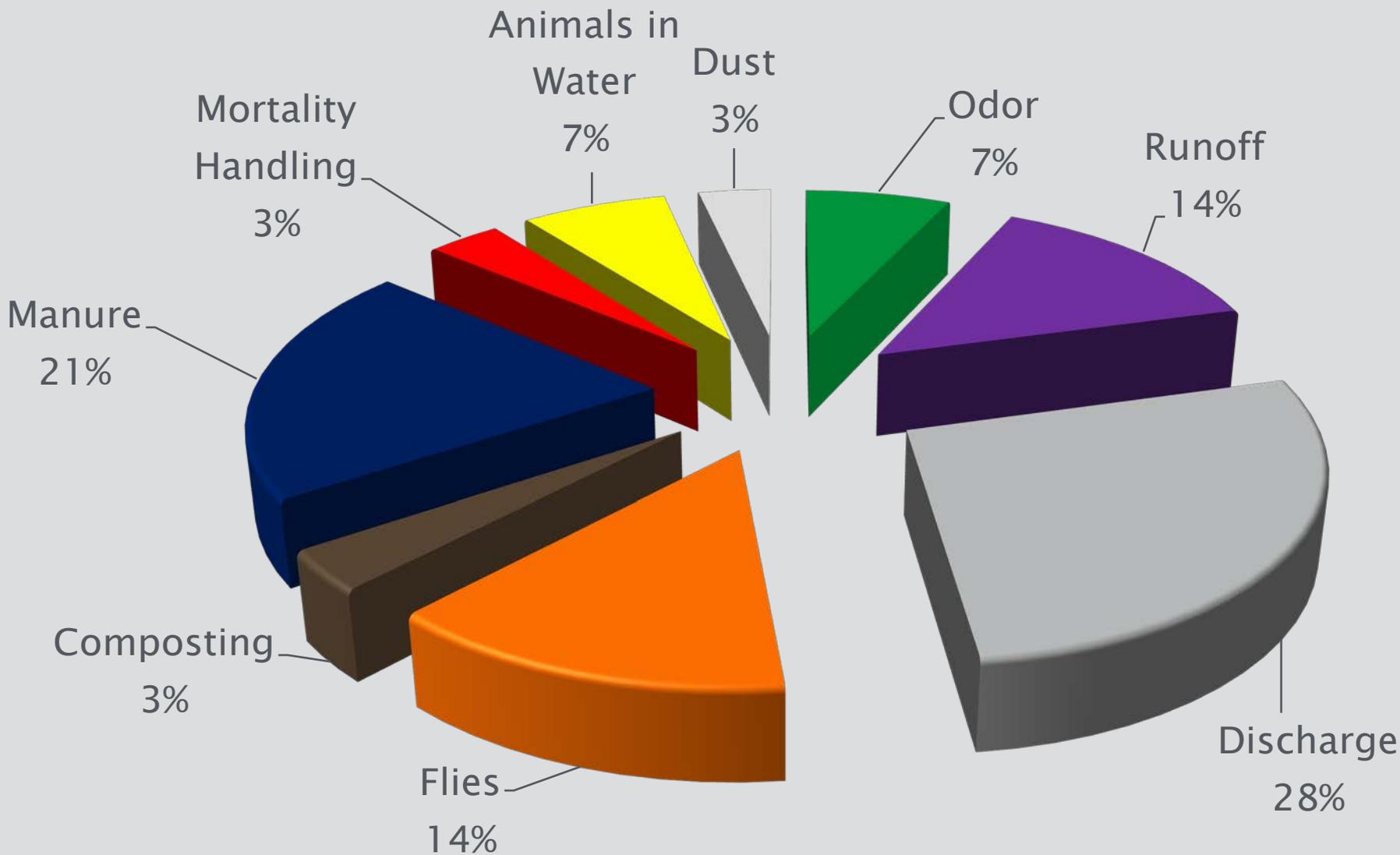


# HCSFO Complaints



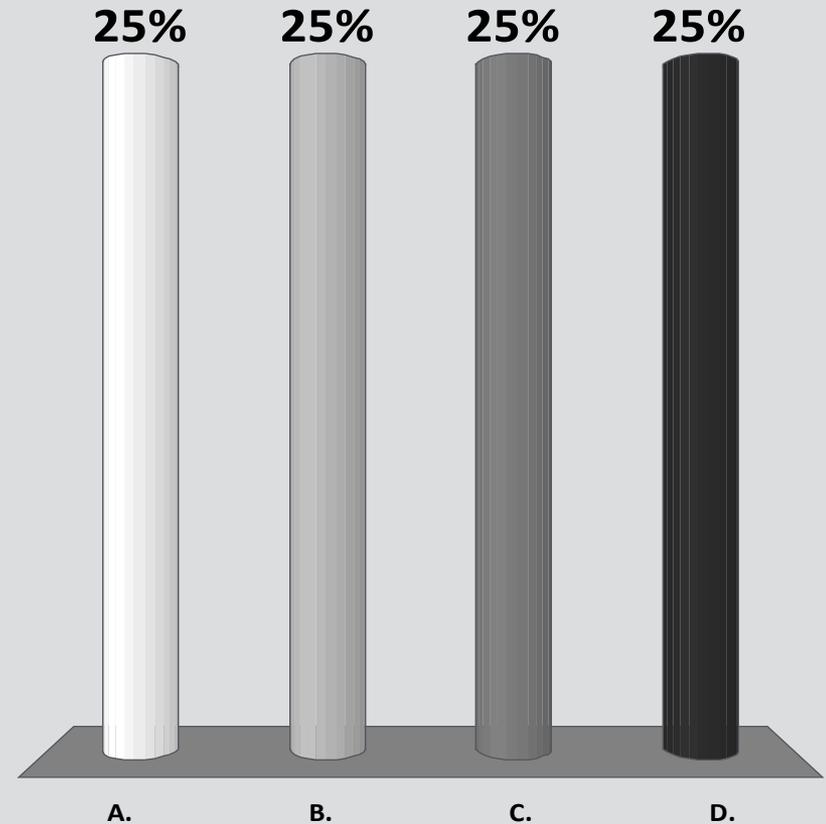


# Complaint Type



What were 3% of the complaints in 2006 related to?

- A. Flies
- B. Runoff
- C. Odor
- D. Presence of animal feeding operation



**JEOPARDY!**

# Formal Enforcement

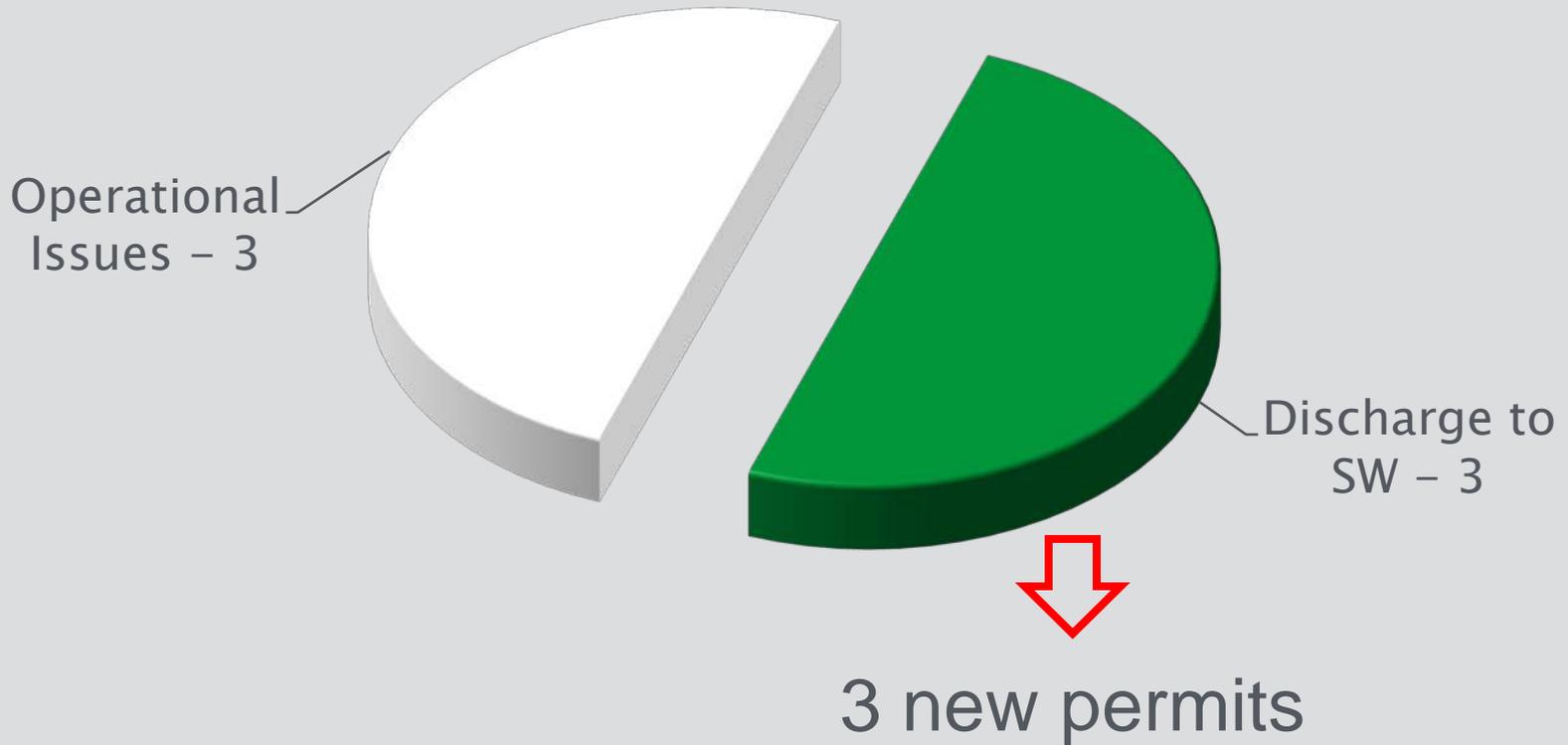


# Current Formal Enforcement

- Six open formal enforcement cases
  - 3 cases due to unauthorized discharge
  - 3 cases due to operational issues



# 2015 Enforcement Case – Breakdown



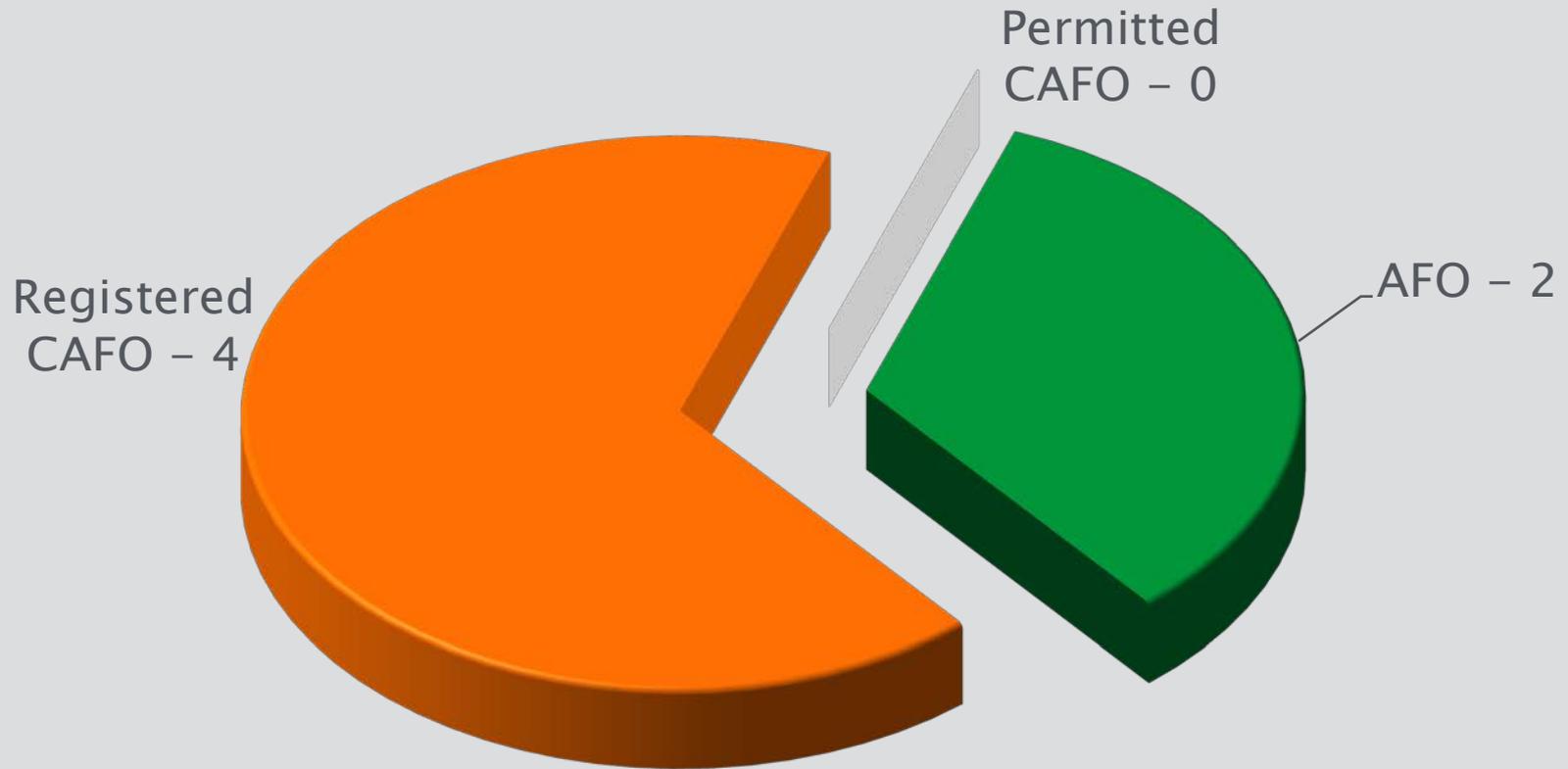
How many active discharges to WotUS have been observed during an inspection?

- A. 3
- B. 2
- ✓ C. 1
- D. 0



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# 2015 Enforcement Cases – Facility Type



# Current Enforcement Cases – Status

- 3 cases actively progressing
  - 1 Expedited Settlement Agreement
- 3 cases in penalty phase

**No enforcement cases resulting  
from April/May storm events**



# 2015 APRIL/MAY STORM EVENTS



Colorado Division of Emergency Management



# 2015 April/May Storm Events

## *From This...*

### **Planting 2015: Corn planting moves along, now let it rain!**

by Troy Marshall in [My View From The Country](#)

May 7, 2015

RSS 



# To This!

## Northern Colorado farmers have too much water

POSTED 10:16 PM, JUNE 10, 2015, BY JON BOWMAN, UPDATED AT 10:17PM, JUNE 10, 2015

## After Years Of Drought, Farmers Hesitant To Curse All The Rain

June 13, 2015 4:54 PM



4



9



1

View Comments

## Farmers along Arkansas River Valley take a hit after series of storms

By Lena Howland [CONNECT](#)



## Rainy weather, soggy fields plague northeast Colorado corn farmers

By Emilie Rusch  
*The Denver Post*

POSTED: 05/28/2015 06:20:32 PM MDT | UPDATED: 24 DAYS AGO

ADD A

## Denver-area rains leave Colorado's plains quietly battling bruises

The South Platte River has flooded Messex and left Iliff high and dry

By Jesse Paul  
*The Denver Post*

POTHOLES & SINKHOLES • CASCADE FLOODING • S05 CONTRACT



## Severe weather pattern takes toll on NE Colo.

## Mandatory Evacuation Notice Lifted In Sterling, Area Still Under Flash Flood Watch

May 24, 2015 5:49 PM



## High water floods onto Eastern Plains of Colorado

POSTED 5:11 PM, MAY 11, 2015, BY KENT ERDAHL, UPDATED AT 06:29AM, MAY 12, 2015

9



3

View Comments



## Coloradans brace for flooding

POSTED 9:29 PM, MAY 9, 2015, BY KEVIN TORRES, UPDATED AT 10:15PM, MAY 9, 2015

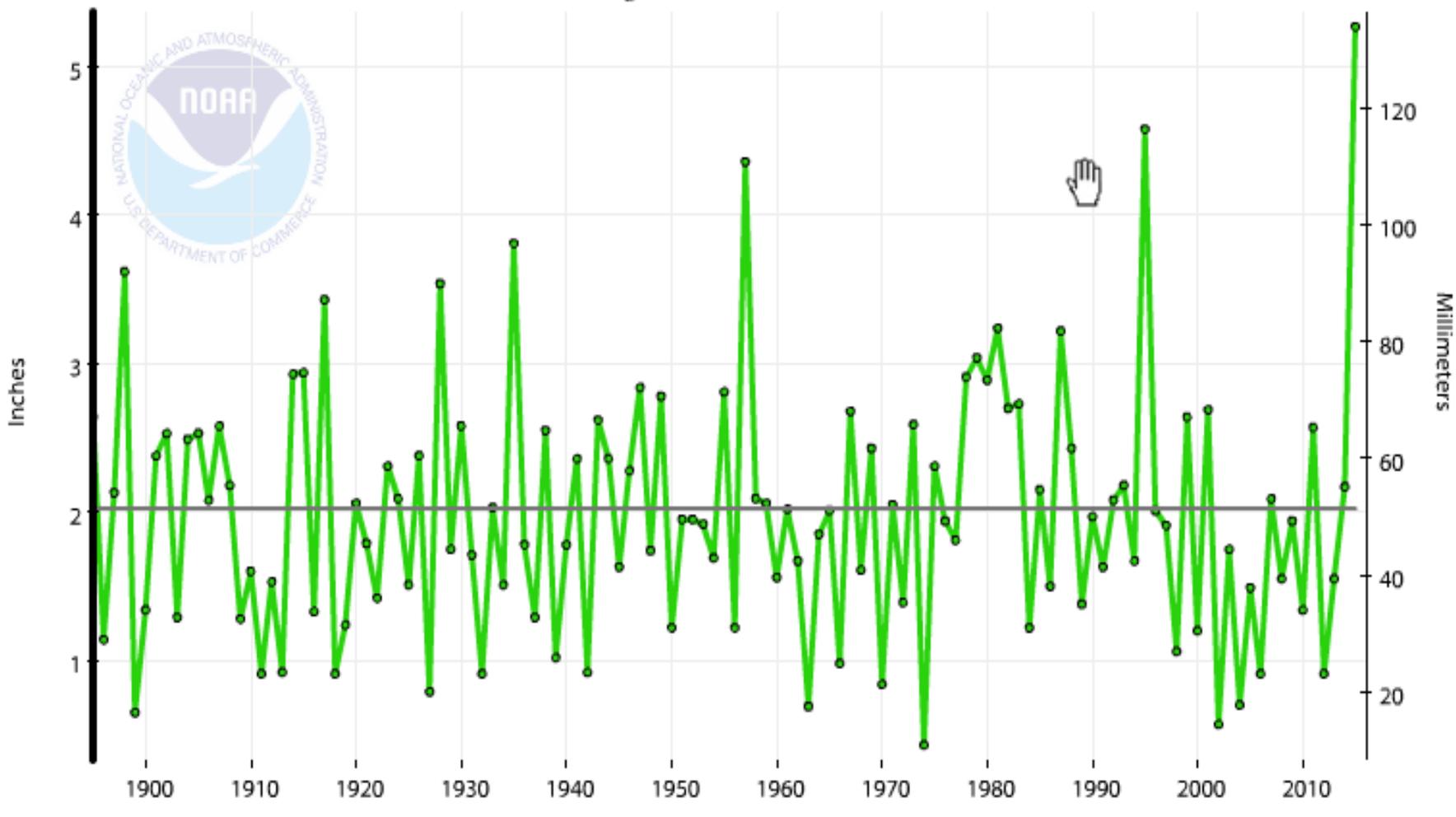
WEATHER THREATENS FARMER'S LIVELIHOOD

5:01 60°

# Colorado, Precipitation, May

— 1901-2000  
Avg: 2.02"

—●— Precip



# 2015 April/May Storm Events

## ➤ Morgan County

- Observed: 9 to 17 in.
- Average: 3.5 in.

## ➤ Weld County

- Observed: 4 to 17 in.
- Average: 4.25 in.

## ➤ Logan County

- Observed: 7 to 15 in.
- Average: 3.58 in.

## ➤ Larimer County

- Observed: 7 to 19 in.
- Average: 4.5 in.













# Reported Discharges

- Morgan
  - 4 Permitted Facilities; 7 Registered Facilities
- Weld
  - 3 Permitted Facilities; 2 Registered Facilities
- Larimer
  - 2 Registered Facilities; 1 Medium AFO
- Logan
  - 2 Permitted Facilities; 4 Registered Facilities
- Other counties
  - 3 Registered Facilities



# Permitted vs. Registered

## ➤ Permitted Facility

- ✓ Precipitation causes an overflow of manure and process wastewater
- ✓ Production area properly designed, constructed, operated and maintained
- ✓ Records documenting production area BMPs
  - Inspections of diversions, water lines, impoundments, conveyances, etc.
- ✓ Allowed to discharge to surface water INCLUDING waters of the U.S.



# Permitted vs. Registered

## ➤ Registered Facility

- ✓ Precipitation causes an overflow of manure and process wastewater
- ✓ Production area properly designed, constructed, operated and maintained
- ✓ Records documenting production Area BMPs
  - Inspections of diversions, water lines, impoundments, conveyances, etc.
- ✓ Allowed to discharge to *waters of the State*
- ✗ NOT allowed to discharge to *waters of the U.S.*



# Ag Program Response

- Storms monitored using NOAA Maps/Tools
  - Ag Program staff contacted producers in Morgan, Weld, Logan, Larimer, Otero and Adams Counties
- Discharge notifications from producers/consultants
  - Colorado Spill Line 1-877-518-5608
- Complaints
  - State and EPA



# Ag Program Response

- Site Visits conducted at 32 facilities from May 11 through June 12
  - Assess facility status
  - Meet with producers
    - Current/future challenges
  - Review records
  - Compliance assistance
  - Creative problem solving
    - Site specific solutions





# Records, Records, Records!

**WEEKLY**  
**IMPOUNDMENT DEPTH, LINER & DIVERSION STRUCTURE INSPECTION FORM**

Facility Name: [REDACTED]

Week	Date	Impoundment	Impoundment Depth	Impoundment Liner	Impoundment Structure	Impoundment Type	Impoundment Status	Impoundment Notes
1	4/3	EXAMPLE Pond 1	✓	✓	4.0 ft	3.7		
2	4/10		✓	✓		3.7		
3	4/17		✓	✓		3.7		
4	4/24		✓	✓		3.7		
5								
1	4/3		✓	✓		3.8		
2	4/10		✓	✓		3.8		
3	4/17		✓	✓		3.7		
4	4/24		✓	✓		3.7		
5								
1	4/3		✓	✓		3.6		
2	4/10		✓	✓		3.6		
3	4/17		✓	✓		3.6		
4	4/24		✓	✓		3.6		
5								
1	4/3		✓	✓		2.3		
2	4/10		✓	✓		2.3		
3	4/17		✓	✓		2.2		
4	4/24		✓	✓		2.2		
5								
1	4/3		✓	✓		3.7		
2	4/10		✓	✓		3.7		
3	4/17		✓	✓		3.6		
4	4/24		✓	✓		3.6		
5								

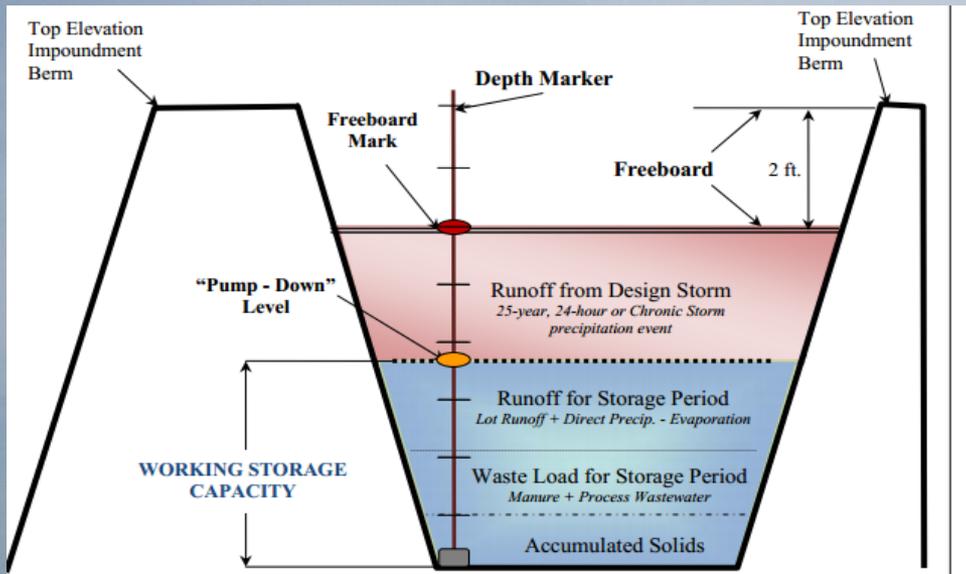
\* Diversion structures include: stormwater run-on/diversion devices, runoff diversion structures, animal waste storage structures, and devices channeling process wastewater to impoundments or tanks.

**WEEKLY**  
**IMPOUNDMENT DEPTH, LINER & DIVERSION STRUCTURE INSPECTION FORM**

Facility Name: [REDACTED]

Week	Date	Impoundment	Impoundment Depth	Impoundment Liner	Impoundment Structure	Impoundment Type	Impoundment Status	Impoundment Notes
1	5/1	EXAMPLE Pond 1	✓	✓	4.0 ft	3.8		
2	5/8		✓	✓		3.6		
3	5/15							
4	5/22							
5	5/29							
1	5/1		✓	✓		5.5	3.8	
2	5/8		✓	✓		3.7		
3	5/15							
4	5/22							
5	5/29							
1	5/1		✓	✓		6.7	3.9	
2	5/8		✓	✓		3.6		
3	5/15							
4	5/22							
5	5/29							
1	5/1		✓	✓		3.5	2.7	
2	5/8		✓	✓		2.3		
3	5/15							
4	5/22							
5	5/29							
1	5/1		✓	✓		3.5	3.9	
2	5/8		✓	✓		3.5		
3	5/15							
4	5/22							
5	5/29							

\* Diversion structures include: stormwater run-on/diversion devices, runoff diversion structures, animal waste storage structures, and devices channeling process wastewater to impoundments or tanks.



# Ag Program Response

- 28 Discharges reported
  - 25 facilities in compliance with regulatory requirements
  - 3 registered facilities determined to be in violation
    - Discharge reached waters of the U.S. without a permit
    - Mismanagement of the production area and/or impoundments
- Enforcement Evaluation



How many facilities were referred to formal enforcement as a result of the 2015 storms?

✓ A. 0

B. 1

C. 3

D. 5



**JEOPARDY!**

# Ag Program Response

- Ag Program allowed to use enforcement discretion for violations related to Spring precipitation
  - No penalties assessed for discharges to WotUS
- Discretion may not be available for future discharges



# Ag Program Response

## *To Permit or not to Permit...*

- No regulatory requirement to obtain Permit coverage
- Location, Location, Location
  - Proximity to surface water
  - Surrounding topography
  - Risk of discharge entering Waters of the U.S.
- Provides increased protection in the event of a discharge



# FUTURE GOALS & PRIORITIES



# What does the next decade hold?

- Compliance Assistance
- CAFO general permit renewal
- Changes to HCSFO inspections
- Environmental Leadership Program



# What does the next decade hold?

- E-Reporting Rule
- Regulation 81 & 85 Update
- Fees / Budget





# Compliance Assistance

- **One-on-one CAFO NMP and CAFO Annual Report assistance**

Targeting permitted facilities that struggle with annual reporting requirements.

- **CAFO Binders**

Targeting medium AFOs and large, registered CAFOs that struggle with compiling the documentation and records to operate their facility in compliance with the regulations.





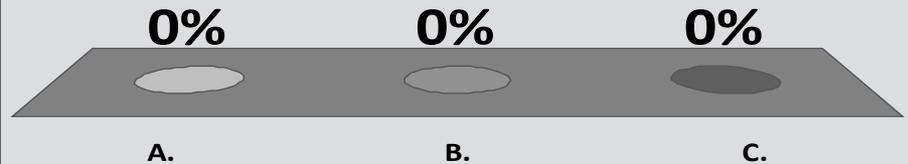
# CAFO General Permit Renewal

- Colorado CAFO General Permit COA-932000 expires April 17, 2017
- No expected changes to Regulation 61.17 at this time.
- Ag Program has already begun preliminary work on issuing the new Colorado CAFO General Permit COA-933000.
- If everything goes according to the plan a new CAFO General Permit will be placed on public notice during the February 2017 Public Notice period.



When does the current CAFO general permit expire?

- A. Dec. 31, 2016
- B. April 17, 2017
- C. June 30, 2018



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# CAFO General Permit Renewal

- New permit would be issued and effective mid-April 2017.
- Ag Program believes a tiered approach based on animal numbers can be implemented to stagger the renewal work load.
- Much of the information contained in the current permit applications will likely remain the same for permitted operations covered under COA932000.
- CAFO NMPs will need to be updated to capture at the very minimum new crop rotations, yield goal calculations, and sampling results.



# HCSFO Inspections

- Ag Program staff conducting water and air compliance inspections
- Frequency changes
  - Spring – Regulation No. 2 Focused
  - Fall – Regulation No. 61 Focused
- Changes give the Ag Program a chance to discuss and review
  - Records review
  - QMR follow up questions
  - Discussion of upcoming projects and issues on site



# Environmental Leadership Program

- The ELP is
  - A voluntary program
  - Encourages and rewards superior environmental performers
- Participation
  - Any Colorado business
  - NO cost to participate
- Three Tiers
  - Bronze, Silver, and Gold



# Environmental Leadership Program

- Congratulations to Mountain Prairie, LLC!
  - Silver Award winner in 2015
- For more information and to apply  
[www.colorado.gov/cdphe/environmental-leadership-program](http://www.colorado.gov/cdphe/environmental-leadership-program)
- Questions:
  - Lynette Myers– Coordinator ELP
  - Phone: 303-692-3477
  - Email: [lynette.myers@state.co.us](mailto:lynette.myers@state.co.us)



# Environmental Leadership Program

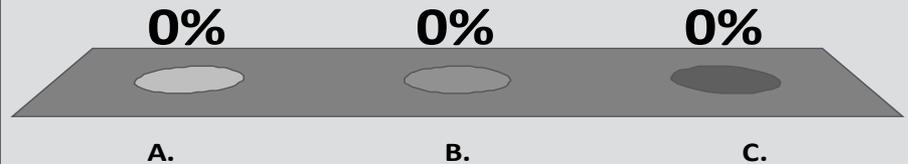
- Upcoming ELP Seminar
  - Components/Criteria of the ELP Program
  - Meeting ELP members
  - Learn how to apply
- Wednesday, February 24, 2016  
9:00 am to 12:00 pm

Denver Museum of Nature & Science  
2001 Colorado Blvd.  
Denver, CO 80205



How many ELP awards have been earned by the agricultural sector?

- A. 1 silver
-  B. 1 silver and 2 bronze
- C. 1 silver and 1 bronze



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# ELP Award Winners

- ▶ Mountain Prairie, LLC
  - Bronze in 2014
  - Silver in 2015
- ▶ Rocky Mountain National Park Early Warning System
  - Bronze in 2014
  - Colorado Association of Wheat Growers
  - Colorado Corn Growers Association
  - Colorado Livestock Association



# NPDES Electronic Reporting Rule

- Rule effective on December 21, 2015
- Replaces most paper-based NPDES permitting and compliance monitoring reporting
- CAFOs/HSCFOs
  - By 2020, permit applications (NOIs), annual reports, and notices to terminate coverage submitted electronically
  - 90% participation rate goal established by EPA
  - Waivers – approved by the state



# Regulation No. 81

## Triennial Review

- Triennial review hearing scheduled for October 2016
  - Previously completed in October 2013
- Proposing administrative and clarifying changes only
- Stakeholder process will commence once rulemaking hearing is scheduled by WQCC
  - May require written-comment only (TBD)



# Regulation No. 85 Update

- Developing state-wide nutrient model that includes agriculture
  - In conjunction with CSU
  - Refine relative source contributions to surface water
  - SWAT (Soil Water Assessment Tool)
  - Real time inclusion of NASS data
  - BMP database (eRams)
  - Ag focused outreach group–Educational Video



# Fees

- **CAFO fees were increased in 2009 to cover program costs, with a sunset date to revert to baseline fees**
  - Original sunset date – 2012
  - Fees extended in 2012 for three years
- **Fees extended again in 2015 for three years**
  - Significant resistance from legislature
  - Successful due to strong stakeholder testimony



# Fees

## ➤ Permitted CAFO fees

### ■ Baseline

- General permit = \$250 + \$0.04/animal unit (AU)
- Individual permit = \$500 + \$0.08/AU

### ■ 2009 increase (current)

- General permit = \$750 + \$0.09/AU
- Individual permit = \$1500 + \$0.09/AU



# Fees

- **Registered CAFO fees**
  - Baseline – \$0/animal unit (AU)
  - 2009 increase (current) – \$0.06/AU
  
- **HCSFO fees**
  - Baseline – \$0.20/head
  - 2009 increase (current) – \$0.26/head



# Fees

- **Program funding comparison**
  - @ Baseline
    - Approximately \$272,000 annually
  - 2009 increase (current)
    - Approximately \$493,500 annually
      - \$435,500 water fees
      - \$58,000 air fees (HCSFO)





# Program Budget

	FY16
CAFO (inc. HCSFO water) Beginning Fund Balance	\$290,008
<b>EXPENDITURES</b>	
Contracts (GF)	\$12,808
Contract Inspections (GF)	\$74,880
Personal Services (GF)	\$11,850
Personal Services (cash)	\$356,004
Indirect	\$76,350
Operating	\$11,981
Total (cash)	\$444,335
Total (GF)	99,548
<b>REVENUES</b>	
CAFO (inc. HCSFO water) License Fees	\$441,781
<b>Fund Balance</b>	\$287,454
CAFO General Fund	\$99,538

	FY16
HCSFO (Air) Beginning Fund Balance	\$34,314
<b>EXPENDITURES</b>	
Contracts	\$0
Personal Services	\$43,246
Indirect	\$10,000
Operating	\$2,000
Total (cash)	\$55,246
<b>REVENUES</b>	
HCSFO (Air) License Fees	\$56,282
<b>Fund Balance</b>	\$35,350



# Program Budget – CAFO/HCSFO Water Fund

	FY16	FY17	FY18	FY19
CAFO (inc. HCSFO water) Beginning Fund Balance	\$290,008	\$287,454	\$294,991	\$294,119
<b>EXPENDITURES</b>				
Contracts (GF)	\$12,808	\$4,000	\$4,000	\$4,000
Contract Inspections (GF)	\$74,880	\$75,000	\$75,000	\$75,000
Personal Services (GF)	\$11,850	\$20,538	\$20,538	\$20,538
Personal Services	\$356,004	\$342,586	\$349,438	\$356,426
Indirect	\$76,350	\$77,877	\$79,435	\$81,023
Operating	\$11,981	\$12,000	\$12,000	\$12,000
	\$444,335	\$432,463	\$440,872	\$449,450
<b>REVENUES</b>				
CAFO (inc. HCSFO water) License Fees	\$441,781	\$440,000	\$440,000	\$440,000
<b>Fund Balances</b>				
	\$287,454	\$294,991	\$294,119	\$284,669
CAFO General Fund	\$ 99,538	\$ 99,538	\$ 99,538	\$ 99,538



# Program Budget – HCSFO Air Fund

	FY16	FY17	FY18	FY19
HCSFO Air Beginning Fund Balance	\$34,314	\$35,350	\$35,039	\$33,642
<b>EXPENDITURES</b>				
Contracts (GF)	\$0	\$0	\$0	\$0
Personal Services	\$43,246	\$44,111	\$44,993	\$45,893
Indirect	\$10,000	\$10,200	\$10,404	\$10,612
Operating	\$2,000	\$2,000	\$2,000	\$2,000
	\$55,246	\$56,311	\$57,397	\$58,505
<b>REVENUES</b>				
HCSFO Air Fees	\$56,282	\$56,000	\$56,000	\$56,000
<b>Fund Balances</b>				
	\$35,350	\$35,039	\$33,642	\$31,137

# STAKEHOLDER PERSPECTIVE





**AGPRO**professionals  
DEVELOPERS OF AGRICULTURE

**Tom Haren**

**CEO and Founder**



**Tom McDonald**

**Vice President –  
Environmental Affairs**



**Jennifer Charno Nelson**

**Director of Environmental  
Affairs**



Gary Chapman, PE



Vice President

Throwback Question:

What instrument did Karl Mauch play with the Colorado State University Marching Band?

- A. Banjo
- B. Bass drum
- C. Tuba
- ✓ D. Sousaphone

0%

0%

0%

0%

A.

B.

C.

D.



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# *Stakeholder Feedback...*

