Indiana Fertilizer Advisory Board

IC 15-16-2-25

Office of Indiana State Chemist

Indiana Fertilizer Board Meeting Minutes

Date and Time:

Thursday December 19, 2024
9:30am

Location of meeting:

William H. Daniel Turfgrass Research and Diagnostic Center
1340 Cherry Ln,
West Lafayette, IN

Fertilizer Advisory Board

Appointee	Attending	Representing	Appointing Authority	Start of Term	End of Term
Voting Members					
Doug Anderson	Absent	Retail fertilizer industry	State Chemist	8/16/2021	8/16/2025
Chase Brown	Absent	Retail fertilizer industry	State Chemist	1/1/2025	1/1/2029
Matt Vianco	In Person	Fertilizer manufacturing	State Chemist	12/14/2022	12/14/2026
Sam Fry	In Person	Producer of agricultural crops	State Chemist	8/16/2021	8/16/2025
Joe Russell	In Person	Producer of agricultural crops	State Chemist	8/16/2021	8/16/2025
Gregg Pulley	In Person	Lawn care industry	State Chemist	7/1/2024	7/1/2028
Dr. Daniel Quinn	In Person	Purdue School of Agriculture	State Chemist	1/1/2024	1/1/2028
Dr. Amy Gregg	In Person	Public conservation organization	State Chemist	8/16/2021	8/16/2025
Joe Miller	In Person	Livestock industry	State Chemist	8/16/2021	8/16/2025
Nonvoting Members					
Rod Miller	Virtual	Indiana Plant Food and Agricultural Chemicals Association	IC 15-16-2-25		
Megan Espinda	In Person	Department of environmental management	IC 15-16-2-25		
Matt Pearson	In Person	Fertilizer administrator and engineering specialist	IC 15-16-2-25		
Conner McCarthy	In Person	Indiana state department of agriculture	IC 15-16-2-25		

Others present: John Baugh, Ramona Briggeman, Trish Dunn, David Snell, & Danny Starke

Indiana Fertilizer Advisory Board

IC 15-16-2-25

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1. Call to order 9:39 Joe Russell
2. Motion to approve agenda Gregg/Miller - unanimous
3. Motion to minutes from July 16, 2024 meeting – Pulley/Gregg - unanimous
4. OISC fertilizer update
    a. Pearson provided overview of OISC Fertilizer activities. See attached
    b. Significant discussion occurred around the sample deficiency rates of packaged products compared to bulk products
5. OISC compliance update – See attached
6. Fertilizer industry updates –
    a. Dr. Quinn noted that Purdue has hired Dr. Roland Wilhelm, Assistant Professor of Agronomy in Soil Microbiome
    b. Joe Miller noted concerns of livestock ammonia from barn fans
7. Adjourn

Fertilizer Advisory Board Meeting

December 19, 2024

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Agenda

1. Call to order
2. Introductions
3. Approval of agenda
4. Approval of minutes from 7/16/2024 meeting
5. OISC Fertilizer update
6. OISC Compliance update
7. Fertilizer Industry updates
8. Other items
9. Adjourn

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OISC Fertilizer Update = Sample

Season	Total Sampled	Total Analyzed	Total F	Pkg A	Pkg F	Bulk A	Bulk F	% Fail	% Pkg Fail	% Bulk Fail
1/1/2017 19:00	1167	1160	120	122	31	1038	89	10.34%	25.41%	8.57%
7/1/2017 20:00	599	597	27	95	16	502	11	4.52%	16.84%	2.19%
1/1/2018 19:00	1420	1414	123	165	40	1249	83	8.70%	24.24%	6.65%
7/1/2018 20:00	606	605	40	79	13	526	27	6.61%	16.46%	5.13%
1/1/2019 19:00	1514	1511	114	126	24	1385	90	7.54%	19.05%	6.50%
7/1/2019 20:00	537	536	35	86	20	450	15	6.53%	23.26%	3.33%
7/1/2020 20:00	631	629	70	116	32	513	38	11.13%	27.59%	7.41%
1/1/2021 19:00	1396	1392	127	216	50	1176	77	9.12%	23.15%	6.55%
7/1/2021 20:00	615	614	44	97	20	517	24	7.17%	20.62%	4.64%
1/1/2022 19:00	1553	1552	173	243	63	1309	110	11.15%	25.93%	8.40%
7/1/2022 20:00	535	534	23	40	11	494	12	4.31%	27.50%	2.43%
1/1/2023 19:00	1490	1488	137	215	57	1273	80	9.21%	26.51%	6.28%
7/1/2023 20:00	599	596	39	67	20	529	19	6.54%	29.85%	3.59%
1/1/2024 19:00	1401	1396	138	206	47	1190	91	9.89%	22.82%	7.65%
7/1/2024 20:00	486	486	33	57	17	429	16	6.79%	29.82%	3.73%

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Samples by Nutrient 1

season	N %Fail	P %Fail	K %Fail
1/1/2017 19:00	3.59%	11.20%	2.34%
7/1/2017 20:00	0.91%	1.64%	3.74%
1/1/2018 19:00	2.93%	7.62%	3.95%
7/1/2018 20:00	4.34%	2.95%	2.35%
1/1/2019 19:00	2.27%	6.16%	2.56%
7/1/2019 20:00	2.08%	4.50%	5.88%
7/1/2020 20:00	5.48%	7.33%	4.41%
1/1/2021 19:00	2.91%	8.10%	4.23%
7/1/2021 20:00	3.76%	3.14%	2.50%
1/1/2022 19:00	3.72%	11.50%	2.20%
7/1/2022 20:00	2.12%	1.27%	4.92%
1/1/2023 19:00	4.29%	10.40%	9.64%
7/1/2023 20:00	2.41%	1.75%	5.81%
1/1/2024 19:00	3.37%	8.64%	6.74%
7/1/2024 20:00	2.58%	3.03%	7.95%

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Samples by Nutrient 2

	Ca T	Ca F	Ca %Fail	Mg T	Mg F	Mg %Fail	S T	S F	S %Fail
S 17	35	2	5.71%	44	4	9.09%	27	9	33.30%
F 17	24	3	12.50%	27	2	7.41%	9	3	33.30%
S 18	39	3	7.69%	50	0	0.00%	42	18	42.90%
F 18	23	0	0.00%	29	2	6.90%	16	0	0.00%
S 19	27	3	11.10%	38	2	5.26%	44	20	45.50%
F 19	28	3	10.70%	32	2	6.25%	41	2	4.88%
F 20	30	4	13.30%	46	4	8.70%	17	2	11.80%
S 21	71	6	8.45%	85	5	5.88%	46	19	41.30%
F 21	39	7	17.90%	39	1	2.56%	24	4	16.70%
S 22	92	17	18.50%	69	3	4.35%	52	13	25.00%
F 22	21	0	0.00%	20	1	5.00%	27	4	14.80%
S 23	62	19	30.60%	65	3	4.62%	504	31	6.15%
F 23	35	7	20.00%	28	1	3.57%	255	7	2.75%
S 24	71	6	8.45%	60	1	1.67%	507	23	4.54%
F 24	38	6	15.80%	20	1	5.00%	195	4	2.05%

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Samples by Nutrient 3

	B T	B F	B %Fail	Co T	Co F	Co %Fail	Cu T	Cu F	Cu %Fail	Fe T	Fe F	Fe %Fail
S 17	27	5	18.50%	4	0	0.00%	36	3	8.33%	47	2	4.26%
F 17	17	1	5.88%	2	0	0.00%	16	1	6.25%	27	3	11.10%
S 18	51	6	11.80%	0	0	0.00%	48	9	18.80%	55	3	5.45%
F 18	20	1	5.00%	2	0	0.00%	12	2	16.70%	23	1	4.35%
S 19	33	6	18.20%	1	0	0.00%	36	7	19.40%	49	7	14.30%
F 19	16	0	0.00%	1	0	0.00%	16	0	0.00%	25	2	8.00%
F 20	19	1	5.26%	0	0	0.00%	14	1	7.14%	36	2	5.56%
S 21	53	3	5.66%	1	0	0.00%	47	5	10.60%	93	3	3.23%
F 21	18	0	0.00%	0	0	0.00%	14	0	0.00%	30	2	6.67%
S 22	65	6	9.23%	2	0	0.00%	55	5	9.09%	94	12	12.80%
F 22	14	1	7.14%	0	0	0.00%	4	2	50.00%	11	1	9.09%
S 23	64	6	9.38%	1	1	100.00%	53	11	20.80%	85	12	14.10%
F 23	13	0	0.00%	0	0	0.00%	6	0	0.00%	17	1	5.88%
S 24	49	2	4.08%	0	0	0.00%	32	3	9.38%	80	12	15.00%
F 24	10	0	0.00%	1	0	0.00%	7	0	0.00%	18	0	0.00%

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Samples by Nutrient 4

	Mn T	Mn F	Mn %Fail	Mo T	Mo F	Mo %Fail	Ni T	Ni F	Ni %Fail	Na T	Na F	Na %Fail	Zn T	Zn F	Zn %Fail
S 17	48	5	10.40%	14	1	7.14%	0	0	0.00%	3	0	0.00%	97	10	10.30%
F 17	18	3	16.70%	12	1	8.33%	0	0	0.00%	1	0	0.00%	24	3	12.50%
S 18	73	6	8.22%	13	0	0.00%	0	0	0.00%	1	1	100.00%	134	9	6.72%
F 18	15	1	6.67%	8	2	25.00%	1	1	100.00%	3	1	33.30%	28	1	3.57%
S 19	55	4	7.27%	2	0	0.00%	0	0	0.00%	0	0	0.00%	128	10	7.81%
F 19	18	1	5.56%	8	0	0.00%	0	0	0.00%	1	0	0.00%	25	0	0.00%
F 20	23	2	8.70%	10	3	30.00%	0	0	0.00%	0	0	0.00%	30	3	10.00%
S 21	76	5	6.58%	30	2	6.67%	4	4	100.00%	5	4	80.00%	111	7	6.31%
F 21	16	0	0.00%	12	0	0.00%	0	0	0.00%	0	0	0.00%	24	1	4.17%
S 22	88	5	5.68%	33	4	12.10%	2	2	100.00%	5	3	60.00%	132	8	6.06%
F 22	11	0	0.00%	3	0	0.00%	0	0	0.00%	0	0	0.00%	24	2	8.33%
S 23	87	6	6.90%	22	3	13.60%	1	1	100.00%	1	1	100.00%	148	18	12.20%
F 23	14	3	21.40%	2	0	0.00%	0	0	0.00%	0	0	0.00%	22	4	18.20%
S 24	68	4	5.88%	18	1	5.56%	0	0	0.00%	1	0	0.00%	105	9	8.57%
F 24	13	1	7.69%	5	0	0.00%	0	0	0.00%	0	0	0.00%	14	1	7.14%

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Compliance Update
Agricultural Chemical Facility Inspections



Bulk Facilities and Agricultural Chemical Facility Inspections





888 Registered Bulk Facilities in Indiana

Large Tanks

- 67 facilities have tanks 100,000 gallons or larger.
  - Plia.
  - Double walled.
  - Bladder.
  - Synthetic lined.



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Agricultural Chemical Facility (ACF) Inspections

Year	# of Insp	Type of facility
2019	28	Commercial
2020	0	
2021	2	Commercial
2022	155	Commercial and Farmer
2023	24	Commercial and Farmer
2024	78	Commercial and Farmer

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Common Problems

- 25% Dike to small both commercial and farmer containment.
- 15% Not structurally sound.
- 10% Missing a load pad.
- 10% Unregistered.
- 10% Wrong plumbing
- 50% have been referred to Fertilizer Control Specialist for follow-up.

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Volume insufficient. Added additional tanks. No longer in compliance.

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DikeWidth = 30.833 ft
DikeLength = 59.667 ft
DikeHeight = 24 in * 1 ft / 12 in = 2 ft
FreeboardRequirement = 0.5 ft
NetDikeHeight = DikeHeight - FreeboardRequirement
 = 2 ft - 0.5 ft
 = 1.5 ft
GrossContainmentVolume
 = DikeWidth * DikeLength * NetDikeHeight
 = 30.833 ft * 59.667 ft * 1.5 ft
 = 2759.5689 ft^3
 Tank1Displacement
 = NetDikeHeight * PI * CylinderDiameter^2 / 4
 = 1.5 ft * 3.14 * 12 ft * 12 ft / 4
 = 169.56 ft^3
 Group1Displacement
 = Tank1Displacement * Qty
 = 169.56 ft^3 * 6
 = 1017.36 ft^3
 Tank2Displacement
 = NetDikeHeight * PI * CylinderDiameter^2 / 4
 = 1.5 ft * 3.14 * 12 ft * 12 ft / 4
 = 169.56 ft^3
 Group2Displacement
 = Tank2Displacement * Qty
 = 169.56 ft^3 * 1
 = 169.56 ft^3
GrossTanksDisplacement
 = Group1Displacement + Group2Displacement
 = 1017.36 ft^3 + 169.56 ft^3
 = 1186.92 ft^3
DisplacementOfLargestTank
 = MAX(Tank1Displacement, Tank2Displacement)
 = MAX(169.56 ft^3, 169.56 ft^3)
 = 169.56 ft^3
NetTanksDisplacement
 = GrossTanksDisplacement - DisplacementOfLargestTank
 = 1186.92 ft^3 - 169.56 ft^3
 = 1017.36 ft^3
NetContainmentVolume
 = GrossContainmentVolume - NetTanksDisplacement
 = 2759.5689 ft^3 - 1017.36 ft^3
 = 1742.2089 ft^3
 = 1742.2089 ft^3 * 7.480519 gal / 1 ft^3
 = 13032.6268 gal

WARNING: Containment volume IS NOT sufficient!

Minimal DikeHeight (Roof; unchanged DikeWidth and DikeLength) = 2 ft 4 in
Minimal DikeHeight (No Roof; unchanged DikeWidth and DikeLength) = 2 ft 10 in
Minimal DikeWidth (Roof; unchanged DikeHeight and DikeLength) = 33 ft 10 in
Minimal DikeWidth (No Roof; unchanged DikeHeight and DikeLength) = 41 ft 3 in
Minimal DikeLength (Roof; unchanged DikeWidth and DikeHeight) = 65 ft 5 in
Minimal DikeLength (No Roof; unchanged DikeWidth and DikeHeight) = 79 ft 10 in
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Calculate

Secondary containment volume is sufficient

No



Large crack in dike- not water tight



PVC pipe through the wall

Wrong plumbing





Structurally unsound







No load pad



ACF inspection plan

- Initial compliance assistance visit when first registered.
- Current facilities on an at minimum 5 year rotation
- Inspectors will do bulk of inspections with help from Fertilizer Control Specialists
- Fertilizer Control Specialists will follow up any enforcement actions/Cases
- Emphasis on dike sizing and maintenance
- Commercial and Farmer

Complaints and Civil Penalties

Fertilizer Complaint/Investigations

Complaint Allegation	2017	2018	2019	2020	2021	2022	2023	2024
Staging	23	44	31	37	28	18	23	38
Application	27	34	32	24	26	13	14	15
Licensing	16	26	11	6	5	5	6	2
Containment	1	0	0	1	3	3	2	2
Anhydrous Ammonia	0	0	0	0	1	1	0	0
Product	0	0	0	0	0	0	0	26
Misc.	0	0	0	0	1	0	0	1
Total Cases	67	104	89	68	64	40	45	84



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Civil Penalty Schedule

Legal Citation	General Description of Violation	Violation Number			Violation Assessment
		1	2	3 and subsequent	
355 IAC 2-3-1 and 355 IAC 2-3-4	Store a fertilizer in a bulk container made of improper design or materials.	$100	$200	$300	Per incident
355 IAC 2-3-1(e)	Operate storage containers or appurtenances with an improper design.	$100	$200	$300	Per incident
355 IAC 2-3-2	Store a fertilizer in an underground bulk container.	$250	$500	$1,000	Per day
355 IAC 2-3-3	Abandon a bulk storage container improperly.	$250	$500	$1,000	Per incident
355 IAC 2-3-5(a)	Fail to anchor bulk storage containers properly.	$100	$250	$500	Per incident
355 IAC 2-3-6	Fail to provide bulk container security.	$100	$250	$500	Per incident
355 IAC 2-3-7	Fill bulk container beyond intended capacity.	$100	$200	$300	Per incident
355 IAC 2-3-8	Fail to support or contain appurtenances.	$50	$50	$50	Per day
355 IAC 2-3-9	Fail to provide a liquid level device or secure liquid level gauge.	$50	$100	$150	Per incident
355 IAC 2-3-10	Fail to properly label bulk container.	$25	$50	$100	Per incident
355 IAC 2-3-11	Fail to maintain bulk container or appurtenance.	$100	$200	$300	Per day

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355 IAC 2-4-1(a)	Fail to carry out operational area activities within contained area.	$250	$500	$1,000	Per incident
355 IAC 2-4-1(b)	Operate operational area containment with improper design, construction, or capacity.	$100	$200	$300	Per day
355 IAC 2-4-1(d)	Operate operational area with a relief outlet, valve, or improper pump.	$100	$200	$300	Per day
355 IAC 2-4-1(e)	Fail to remove liquids promptly from operational area containment.	$100	$200	$300	Per incident
355 IAC 2-4-1(f)	Fail to protect storage containers and appurtenances from damage by vehicles.	$100	$200	$300	Per incident
355 IAC 2-4-1(i)	Fail to maintain operational area containment.	$100	$200	$300	Per day
355 IAC 2-5-1(a)	Store a bulk container outside of secondary containment.	$250	$500	$1,000	Per day
355 IAC 2-5-1(b)	Fail to separate fertilizer secondary containment from other materials.	$100	$200	$300	Per day
355 IAC 2-5-1(c) and 355 IAC 2-5-12.5(b)	Fail to maintain required capacity for secondary containment.	$100	$200	$300	Per day
355 IAC 2-5-1(f)	Operate secondary containment with tile drainage within or under the containment.	$100	$200	$300	Per day
355 IAC 2-5-2(a)	Operate secondary containment with improperly constructed or sealed walls.	$100	$200	$300	Per day

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355 IAC 2-5-3, 355 IAC 2-5-4, 355 IAC 2-5-5, 355 IAC 2-5-6, or 355 IAC 2-5-7	Operate secondary containment with improperly constructed or sealed base.	$100	$200	$300	Per day
355 IAC 2-5-12	Operate an improperly designed, constructed, or maintained elephant ring.	$100	$200	$300	Per day
355 IAC 2-5-12.5(a)	Operate secondary containment with a relief outlet, valve, or improper pump.	$100	$200	$300	Per day
355 IAC 2-5-13(a)	Fail to maintain secondary containment.	$100	$200	$300	Per day
355 IAC 2-5-13(b)	Fail to maintain secondary containment free of debris and foreign matter.	$25	$50	$100	Per day
355 IAC 2-6-1.5(a)	Store dry bulk fertilizer in an unsound manner.	$250	$500	$1,000	Per day
355 IAC 2-6-1.5(b)	Fail to provide a dry fertilizer operations pad.	$250	$500	$1,000	Per incident
355 IAC 2-9-1	Fail to notify the state chemist annually of the bulk storage facility location and status.	$50	$100	$150	Per year
IC 15-16-2-46	Sell, use, or remove without permission a product placed under a stop sale, use, or removal order.	$250*	$500*	$1,000*	Per incident

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355 IAC 7-3-1 and 355 IAC 7-3-2	Use fertilizer material without certification.	$100	$200	$300	Per day
355 IAC 7-3-1	Engage in business for hire without a business license.	$250	$500	$1,000	Per day
355 IAC 7-3-3	Distribute fertilizer material without a business license.	$250	$500	$1,000	Per day
355 IAC 7-3-3	Distribute fertilizer material to an unlicensed user.	$100	$200	$300	Per incident
355 IAC 7-3-4	Fail to train employees.	$100	$200	$300	Per incident
355 IAC 7-3-4	Supervise more than 10 employees.	$100	$100	$100	Per day and per person
355 IAC 7-3-4	Fail to properly supervise employee.	$125	$250	$500	Per day
IC 15-16-2-43 and 355 IAC 7-4-4	Use fraud in applying for license, permit, or registration.	$250	$500	$1,000	Per incident
355 IAC 8-3-1(1) and 355 IAC 8-3-1(2)	Fail to develop or follow a fertilizer application plan.	$100	$250	$500	Per incident
355 IAC 8-3-1(3)	Apply fertilizer material directly to surface water.	$100	$250	$500	Per incident
355 IAC 8-3-1(4)	Apply fertilizer material to saturated ground.	$100	$250	$500	Per incident
355 IAC 8-3-1(5)	Apply fertilizer material from a public road.	$100*	$250*	$500*	Per incident

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355 IAC 8-3-2	Fail to follow proper unmanipulated organic fertilizer application setback or incorporation requirements.	$250	$500	$1,000	Per incident
355 IAC 8-3-3	Improper application of unmanipulated organic fertilizer to highly erodible land.	$250	$500	$1,000	Per incident
355 IAC 8-3-4	Improper application of unmanipulated organic fertilizer to frozen or snow covered ground.	$250	$500	$1,000	Per incident
355 IAC 8-3-5	Fail to properly monitor organic fertilizer application.	$100	$250	$500	Per day
355 IAC 8-4-1	Fail to properly stage inorganic fertilizer.	$250	$500	$1,000	Per incident and per day
355 IAC 8-4-2	Fail to properly stage organic fertilizer.	$250	$500	$1,000	Per incident and per day
355 IAC 8-5-1	Fail to keep proper distribution records.	$25	$50	$75	Per day
355 IAC 8-5-2	Fail to keep proper application records.	$25	$50	$75	Per day
355 IAC 8-5-3	Fail to make records available.	$100*	$250*	$500*	Per incident
355 IAC 8-5-1 and 355 IAC 8-5-2	Make false records	$250*	$500*	$1,000*	Per incident

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Civil penalties unmitigated 2024

Data Set: FT - Violations - Fines (Unmitigated Amount) Raw Data

Citation | Civil Penalty | Counts | Date | Final Amount | Form | Legal Description | Legal Snippet | Month | No Violation | OcmNumber | Officer | Quarter_Oct1FY | Unmitigated Amount | *Version* | Warning | Year_Oct1FY | *Year_Jan1FY* | Quarter_Jan1FY

		Year_Jan1FY	2024				Totals
		Quarter_Jan1FY	2024Q1	2024Q2	2024Q3	2024Q4	
Case Type	Legal Citation						
Fertilizer	355 IAC 2-4-1(a)		0.00				0.00
	355 IAC 7-3-3		1,000.00				1,000.00
	355 IAC 8-3-2		500.00		500.00	250.00	1,250.00
	355 IAC 8-4-2		36,500.00	5,250.00	56,000.00	6,250.00	104,000.00
Totals			38,000.00	5,250.00	56,500.00	6,500.00	106,250.00

355 IAC 7-3-3 Distribute fertilizer material to an unlicensed user.
355 IAC 8-3-2 Failure to follow proper unmanipulated organic fertilizer application Setback or incorporation requirements.
355 IAC 8-4-2 – Failure to properly stage organic fertilizer

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Potential penalty mitigation

- (1) Good faith efforts of the violator to comply.
- (2) Cooperation by the violator with the state chemist during the investigation process.
- (3) The violator's history of compliance.
- (4) The potential for damage.
- (5) Remedial or corrective action taken by the violator.

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Civil penalties assessed 2024

Data Set: FT - Violations - Fines Assessed Raw Data

Citation | Civil Penalty | Counts | Date | Final Amount | Form | Legal Description | Legal Snippet | Month | No Violation | OcmNumber | Officer | Quarter_Oct1FY | Unmitigated Amount | *Version* | Warning | Year_Oct1FY

Year_Jan1FY | Quarter_Jan1FY

		Year_Jan1FY	2024				Totals
		Quarter_Jan1FY	2024Q1	2024Q2	2024Q3	2024Q4	
Case Type	**Legal Citation**						
Fertilizer	**355 IAC 2-4-1(a)**		0.00				**0.00**
	355 IAC 7-3-3		1,000.00				**1,000.00**
	355 IAC 8-3-2		276.00		276.00	138.00	**690.00**
	355 IAC 8-4-2		15,438.00	1,575.00	16,850.00	1,875.00	**35,738.00**
		Totals	**16,714.00**	**1,575.00**	**17,126.00**	**2,013.00**	**37,428.00**

355 IAC 7-3-3 Distribute fertilizer material to an unlicensed user.
355 IAC 8-3-2 Failure to follow proper unmanipulated organic fertilizer application Setback or incorporation requirements.
355 IAC 8-4-2 – Failure to properly stage organic fertilizer

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Unmitigated civil penalties

Legal Citation \ Year_Jan1FY	2019	2020	2021	2022	2023	2024	Totals
355 IAC 2-4-1(a)			1,500.00			0.00	1,500.00
355 IAC 2-4-1(i)			0.00				0.00
355 IAC 2-5-1(a)			17,750.00	24,500.00			42,250.00
355 IAC 2-5-6			18,000.00				18,000.00
355 IAC 2-5-12.5(a)			0.00				0.00
355 IAC 2-5-13(a)			0.00				0.00
355 IAC 2-6-1.5(b)					5,000.00		5,000.00
355 IAC 2-9-1			250.00				250.00
355 IAC 7-3-1		3,250.00	250.00	3,750.00	1,000.00		8,250.00
355 IAC 7-3-1, 355 IAC 7-3-2		100.00					100.00
355 IAC 7-3-2	1,200.00	500.00	1,000.00	600.00	300.00		3,600.00
355 IAC 7-3-3	2,750.00	6,100.00	2,300.00	1,500.00	250.00	1,000.00	13,900.00
355 IAC 8-3-1					100.00		100.00
355 IAC 8-3-1(3)			100.00				100.00
355 IAC 8-3-2	500.00	250.00	1,000.00	1,500.00	750.00	1,250.00	5,250.00
355 IAC 8-3-4				250.00			250.00
355 IAC 8-3-5				100.00	600.00		700.00
355 IAC 8-4-2	20,250.00	241,250.00	42,000.00	133,500.00	66,000.00	105,750.00	608,750.00
355 IAC 8-4-2(b)(1)				1,000.00			1,000.00
355 IAC 8-4-2(b)(2)				500.00			500.00
355 IAC 8-5-3	100.00	200.00	200.00	200.00	200.00		900.00
Totals	24,800.00	251,650.00	84,350.00	167,400.00	74,200.00	108,000.00	710,400.00

Office of Indiana State Chemist

Fines Assessed

Legal Citation \ Year_Jan1FY	2019	2020	2021	2022	2023	2024	Totals
355 IAC 2-4-1(a)			1,500.00			0.00	1,500.00
355 IAC 2-4-1(i)			0.00				0.00
355 IAC 2-5-1(a)			17,750.00	7,350.00			25,100.00
355 IAC 2-5-6			5,400.00				5,400.00
355 IAC 2-5-12.5(a)			0.00				0.00
355 IAC 2-5-13(a)			0.00				0.00
355 IAC 2-6-1.5(b)					1,500.00		1,500.00
355 IAC 2-9-1			250.00				250.00
355 IAC 7-3-1		1,850.00	250.00	2,263.00	550.00		4,913.00
355 IAC 7-3-1, 355 IAC 7-3-2		100.00					100.00
355 IAC 7-3-2	600.00	410.00	1,000.00	330.00	300.00		2,640.00
355 IAC 7-3-3	1,375.00	2,375.00	1,075.00	575.00	75.00	1,000.00	6,475.00
355 IAC 8-3-1					75.00		75.00
355 IAC 8-3-1(3)			100.00				100.00
355 IAC 8-3-2	500.00	138.00	888.00	940.00	464.00	690.00	3,620.00
355 IAC 8-3-4				138.00			138.00
355 IAC 8-3-5				55.00	330.00		385.00
355 IAC 8-4-2	7,875.00	70,100.00	12,075.00	50,613.00	15,288.00	37,488.00	193,439.00
355 IAC 8-4-2(b)(1)				300.00			300.00
355 IAC 8-4-2(b)(2)				150.00			150.00
355 IAC 8-5-3	100.00	200.00	200.00	200.00	200.00		900.00
Totals	**10,450.00**	**75,173.00**	**40,488.00**	**62,914.00**	**18,782.00**	**39,178.00**	**246,985.00**

Office of Indiana State Chemist

Questions?

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Office of Indiana State Chemist

Ammonia Update

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Fertilizer Industry Updates

- Around the table

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Other Items

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