

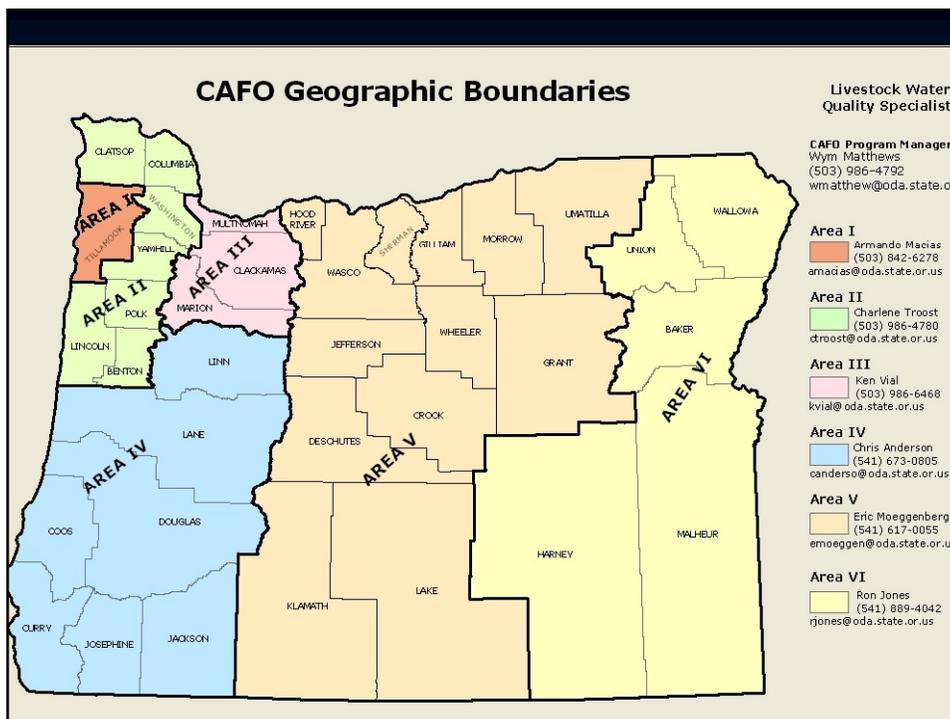
2011 NRCS CNMP Training Plan Implementation



Compliance Program



- Assist Permittees with Compliance.
- Many Tools.
- Performance Based.



2010 Statistics

- 569 Registrations
 - 0 "NEW" Large CAFO.
- 117 Large CAFOs.
- 258 Medium CAFOs.
- 194 State CAFOs.
- 5 Individual Permits



Implementation Challenges

- Permittee understanding of AWMP
 - Summary of Important Points
 - Periodic review
- Permittee understanding of the Permit
 - AWMP 'most important part' of Permit
 - Design and O&M = Theoretical Capacity
 - Actual operation = environmental benefit
- Creative Solutions

Implementation Challenges

MOOCOW DAIRY LLC, AWMP Summary

1. No manure application can exceed 1 inch of liquid manure / acre or 10 loads of solid manure / acre.
2. The no manure application setback from surface water is 35 feet for fields # 1-9 and 70 feet for field # 10.
3. Liquid manure applications are made only from February through September, each year. Solid manure applications made only from March through October, each year.
4. All manure applications are recorded on the CAFO calendar.
5. Solid manure export record book and test forms are located in milkhouse, second drawer, gray file cabinet.
6. Maximum amount of nitrogen delivered per acre from all manure applications (grazing animals and mechanical applications) is 384 lbs N / acre for fields 1-9 and 404 lbs N / acre for field 10.
7. AGLMT #1 and #2 liquid level indicators are photographed every week on Tuesdays.
8. CAFO Inspection results, manure application equipment calibration results, soil test results, manure test results. CAFO Permit, Permit Summary and AWMP are all located in milkhouse, third drawer, gray file cabinet.
9. Moocow Dairy LLC operators contact information in case of emergency is (in order of priority)
 - John Cowherder 555-989-7789
 - John Jr. Cowherder 555-989-0009
 - Jane Milker 555-403-8711
10. ODA CAFO Program / CAFO Inspector (report discharges within 24 hours)
 - Name / Salem 503-986-4699
 - Name / inspector 541-666-0007

Implementation Challenges

- Implement AWMPs for all registrants, by 2-27-09.
- Financial
- Government
- Owner – Tenant
- Generational



CAFOs in Oregon



CAFOs in Oregon



CAFOs in Oregon

- Permittees don't know what their buffer widths are.
- Buffers can be / are farm/site specific.
- Alternative to 100' non-managed or 35' vegetated buffers can be accepted. Must be in approved AWMP.

CAFOs in Oregon



CAFOs in Oregon

- Permittees struggle with manure applications to saturated soil or make applications that result in saturated soil.
- Manure storage capacity and O&M helps with this problem.
- Match applications to crop nutrient needs.
- Fertilizer cost / value increasing.

CAFOs in Oregon



CAFOs in Oregon

- S *#! Happens!
- What goes in must come out.
- For every action, there is an equal and opposite re-action.
- Constant requirement for O & M.
 - Keep system operable
 - Maintain system capacity
 - Lots of reasons

CAFOs and AWMPs

- EDUCATION and OUTREACH!!!!>>>.
- Records can confirm AWMP is real and working, not just theory. ODFA CAFO Calendar and ODARK are tools that help.
- Creative nutrient solutions.
- Increasing scrutiny on CAFOs by EPA, citizen 'watchdog' groups.
- Help with AWMP implementation / understanding.

CAFOs and AWMPs

- Partners can help.
- EQIP contracts, Cooperator agreements, etc.
- Creative nutrient solutions.
- Everybody has a plan.
- Plan is theory.
- Make the theory reality.
- Constant, adaptive management, feedback loop



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