

# Iowa's Update

## IOWA DEPARTMENT OF NATURAL RESOURCES

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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

AWOP Quarterly Remote Meeting  
August 25, 2020

AWOP Core Team Members:

Aaron Pickens (lead), Sr. Environmental Specialist, FO6

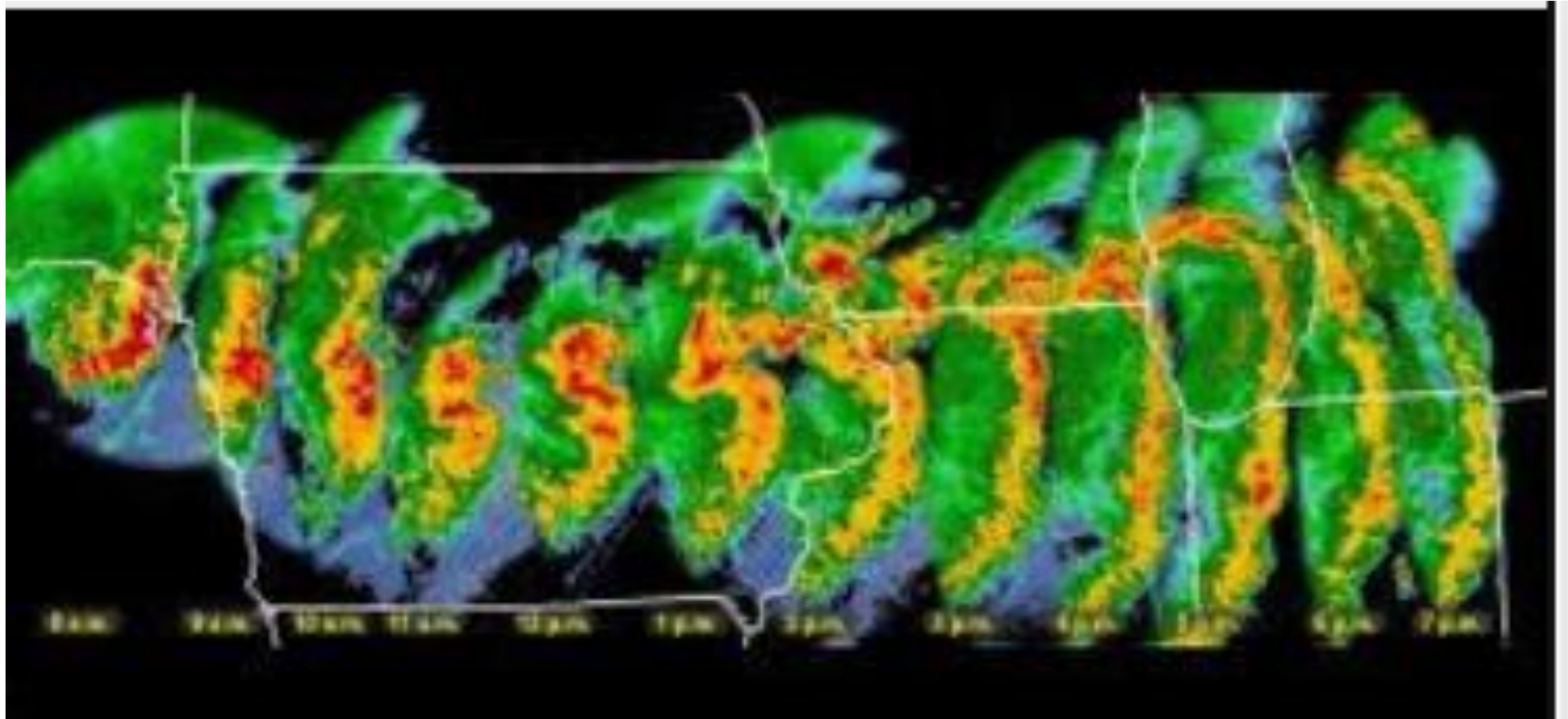
Bob Campbell, Sr. Engineer, Central Office

Taroon Bidar, Sr. Engineer, Central Office

Mark Moeller, Engineering Section Supervisor, Central Office

# A Hurricane in Iowa???

August 10<sup>th</sup>, 2020



# Focus Area

Since remote meeting in June, 2020 Iowa's focus areas have been:

- Clarification of CFE turbidity monitoring requirements (Integration)
  - Iowa's current rules allow continuous, 4 hour grabs, 1 hour grabs (>100K). Can not exceed 1 NTU at anytime for conventional treatment
  - Discussion topic at last meeting – RE: what other states allow?
  - Received approval to pursue rule change
  - Committee formed in July and has met a few times now
    - Looking at mirroring IFE monitoring requirements for CFE (e.g. continuous monitoring with 15 minute data collection requirement)
    - 1 NTU at anytime would be changed to 1 NTU in two consecutive readings taken 15 minutes apart
  - Working on draft language now for inclusion in current rules package

# Focus Area

**Since remote meeting in Feb., 2020 Iowa's focus areas have been:**

- Surface Water Training Program Development (Integration)
  - DNR in conjunction with PAI developing multi-module training curriculum
  - Designed as one day of classroom and one day of “hands-on” workshops
  - Curriculum includes data integrity, special studies, optimization concepts
    - First module (regulations) completed in 2018
    - Second module (optimization/data integrity) completed in 2019
    - Third module (flocculation) completed in 2020
- Plans in the works to deliver all or parts of Modules 1&2
  - Fall 2020
    - Optimization presentation to be given virtually at IAMU conference along with overview of ETSW
    - IRWA to give all or parts of Module 1 fall of 2020
  - Spring 2021
    - IRWA to give Module 2
  - Format will be COVID dependent

# Action Items Update

1	Attend AWOP Quarterly Meeting – Dallas, TX Note: Switched to remote meeting due to COVID-19	Core Team	PM	June, 2020 - <b>Completed</b>
2	Initiate CFE Rules Update Committee Meetings (Note: Committee has been meeting weekly since June)	Core Team Other WS Staff	Integration	July, 2020 – <b>Completed</b>
3	Attend AWOP Quarterly Meeting – remote meeting due to COVID	Core Team	PM	August, 2020 – <b>In-Progress</b>

# Additional Information

- Clarinda – Turbidity Event
  - Direct intake in surface water (small river) prior to pre-seeds
  - Treatment consists of pre-sed basins (copper sulfate), chlorine dioxide, ACH, SCUs, sand and GAC filtration, CT basin/clearwell, CFE turbidity monitoring
  - Turbidities: **SCUs effluent ~0.2 NTU (normal), IFEs ~0.6 NTU**, CFE ~0.25 NTU
  - Algae bloom theorized as culprit, microcystin tested but not present
  - No absolute resolve as to cause



# Additional Information

- Osceola – Turbidity Event
  - Direct intake in surface water reservoir (small recreational lake)
  - Treatment consists of ferric sulfate, chlorine dioxide, cationic polymer, upflow clarifiers, sand and GAC filtration, CT basin/clearwell, CFE turbidity monitoring
  - Turbidities: clarifier effluent ? NTU, **IFEs ~0.4 NTU, CFE >1 NTU**
  - Algae bloom and manganese theorized culprit, microcystin tested but not present
  - No absolute resolve as to cause but manganese (data based) known CFE contributor



# Additional Information

## COVID-19...

- In Phase 1 of re-entry plan went into place yesterday!
  - Field offices
    - Have remained minimally staffed during COVID
    - Not open to the public
    - Phase 1 requires offices be staffed at no more than 25%
    - Field work, inspections, etc. resumed with precautions (call ahead, social distance, minimize contact, appropriate PPE, etc.)
  - Central Office
    - All staff initially required to work remotely
    - Phase 1 gives staff the option to return at 25% capacity – most still working remotely
  - Face coverings required in common areas along with other protective measures
  - The plan will be amended to meet changing business needs, IDPH/CDC guidelines
- Travel is allowed but expected to be heavily scrutinized by mgt.



# Additional Information

- No movement on getting OAS data entered.
  - Intern quit
  - Then COVID hit
  - Time for DNR staff to complete will be tough to find
- Data Integrity workshops planned for early 2020 are on hold indefinitely

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