



# Meeting Agenda/Summary

## Water Quality Division: 1.09 Permit TWG Meeting 4: August 18, 2021 1:15-3:15 pm

### Members in Attendance:

- Steve Christensen, Alpine Sanitary District
- Jake Garrett, Gila County
- Trika Graham, Freeport-McMoRan Bagdad Inc.
- Thomas Hanson, MCESD
- Maher Hazine, CHAIR, REI Development Services, LLC
- Jon Heidrich, Mogollon RV Park & AZARVC
- Kathy Mills, Mills Engineering LLC
- Ray Morgan, ADEQ
- Luke Peterson, ADEQ
- Jenny Vitale, Self Employed

Agenda (Est Time)	Lead	Overview	Documents	Action Requested	NOTES
Meeting Notes	Chair	Request comment.	Notes	Acceptance	
Action Items	Chair	Review action times from last meeting.	Action items	For status.	Group agreed to change to one meeting per month with homework assignments in between.
Nitrogen Limits	Chair	Discussion of how nitrogen limits should be applied to 1.09 systems.			See notes on whiteboard image below.
Preliminary Recommendations		The team began identifying issues where there was potential agreement			See Recommendation section on whiteboard. The group discussed forwarding recommendations to OWAC as they are ready and not waiting until the deadline and send all recommendations at the same time.
Next Steps	Chair	Plan the topics for the next agenda and any homework assignments	none	For Decision	Nitrogen loading Review 4.23 Review white board and identify additional recommendations

**Action Plan:**

Task	Person Responsible	Due Date	Status
Homework – Review the mark up regarding routine work and add the situations you think will fall within each of the list and why these are justifiable.			Ask everyone to review and send comments.
Homework – Review the white board, are there other decisions which need to be moved into the recommendation box.			

See whiteboard image below.

- 1. The Permit
- 2. The Design
- 3. Design Permits

ALL NEW COMMENTS ON BLUE'S BODY NOTES

### Failure

1. No effluent filter? (Blue note)

2. Filter media replacement (Blue note)

3. Filter media depth (Blue note)

4. Filter media loss (Blue note)

5. Filter media quality (Blue note)

6. Filter media distribution (Blue note)

7. Filter media compaction (Blue note)

8. Filter media clogging (Blue note)

9. Filter media degradation (Blue note)

10. Filter media breakage (Blue note)

11. Filter media settling (Blue note)

12. Filter media floatation (Blue note)

13. Filter media abrasion (Blue note)

14. Filter media chemical attack (Blue note)

15. Filter media biological growth (Blue note)

16. Filter media physical damage (Blue note)

17. Filter media structural failure (Blue note)

18. Filter media operational issues (Blue note)

19. Filter media maintenance (Blue note)

20. Filter media disposal (Blue note)

Flow exceeds 20,000

### May or May not be a Failure

No effluent filter? (Blue note)

1. Filter media replacement (Blue note)

2. Filter media depth (Blue note)

3. Filter media loss (Blue note)

4. Filter media quality (Blue note)

5. Filter media distribution (Blue note)

6. Filter media compaction (Blue note)

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17. Filter media operational issues (Blue note)

18. Filter media maintenance (Blue note)

19. Filter media disposal (Blue note)

### Cumulative Flow

1. Flow exceeds 20,000 (Blue note)

2. Flow exceeds 10,000 (Blue note)

3. Flow exceeds 5,000 (Blue note)

4. Flow exceeds 2,500 (Blue note)

5. Flow exceeds 1,250 (Blue note)

6. Flow exceeds 625 (Blue note)

7. Flow exceeds 312.5 (Blue note)

8. Flow exceeds 156.25 (Blue note)

9. Flow exceeds 78.125 (Blue note)

10. Flow exceeds 39.0625 (Blue note)

11. Flow exceeds 19.53125 (Blue note)

12. Flow exceeds 9.765625 (Blue note)

13. Flow exceeds 4.8828125 (Blue note)

14. Flow exceeds 2.44140625 (Blue note)

15. Flow exceeds 1.220703125 (Blue note)

16. Flow exceeds 0.6103515625 (Blue note)

17. Flow exceeds 0.30517578125 (Blue note)

18. Flow exceeds 0.152587890625 (Blue note)

19. Flow exceeds 0.0762939453125 (Blue note)

20. Flow exceeds 0.03814697265625 (Blue note)

### Proposed Phase 1 Rule Changes

1. See additional change below (Blue note)

2. 2B - after word design flow or 20,000 gal per day which ever is less, or the design flow (period) (Blue note)

3. ADEQ/AEP/Reggag requires related to reports (Blue note)

### General Definition of Failure

1. A Note of Failure (NOF) is required for each day that a facility fails to meet its effluent limitations (Blue note)

2. A Note of Failure (NOF) is required for each day that a facility fails to meet its effluent limitations (Blue note)

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### Customer Considerations

1. Customer requirements (Blue note)

2. Customer expectations (Blue note)

3. Customer needs (Blue note)

4. Customer preferences (Blue note)

5. Customer concerns (Blue note)

6. Customer feedback (Blue note)

7. Customer communication (Blue note)

8. Customer education (Blue note)

9. Customer training (Blue note)

10. Customer support (Blue note)

11. Customer service (Blue note)

12. Customer satisfaction (Blue note)

13. Customer loyalty (Blue note)

14. Customer retention (Blue note)

15. Customer acquisition (Blue note)

16. Customer growth (Blue note)

17. Customer innovation (Blue note)

18. Customer differentiation (Blue note)

19. Customer advantage (Blue note)

20. Customer success (Blue note)

### Regulatory Considerations

1. Regulatory requirements (Blue note)

2. Regulatory standards (Blue note)

3. Regulatory compliance (Blue note)

4. Regulatory enforcement (Blue note)

5. Regulatory penalties (Blue note)

6. Regulatory exemptions (Blue note)

7. Regulatory flexibility (Blue note)

8. Regulatory adaptability (Blue note)

9. Regulatory resilience (Blue note)

10. Regulatory sustainability (Blue note)

11. Regulatory equity (Blue note)

12. Regulatory transparency (Blue note)

13. Regulatory accountability (Blue note)

14. Regulatory integrity (Blue note)

15. Regulatory trust (Blue note)

16. Regulatory credibility (Blue note)

17. Regulatory authority (Blue note)

18. Regulatory jurisdiction (Blue note)

19. Regulatory scope (Blue note)

20. Regulatory impact (Blue note)

### Repair or Maintenance

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### Definitions

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### Nitrogen Limits

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### Action Items

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### Permitting Considerations

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### Design Considerations

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### Future State

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### Issues from Design Permitting TWS

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### RECOMMENDATIONS

1. New permitting structure for 1.09 (Recommended append to 1.09 or 5.0) (Blue note)

2. Change the Nitrogen loading to match the Ground Water Standard of 10 mg/l (Blue note)