

# Utah Division of Water Quality

## Triennial Review: 2008

### Discussion / Justification of Changes Use Attainability Analyses (UAA)

#### Page 1:

- Triennial Review definition added to rule.
  - *The Division felt it was prudent to codify the triennial review process in rule to assist the public to know what that process is and to let public know that public input is solicited.*

#### Pages 2-9: Antidegradation Policy

- Page 2
  - The phrase “High Quality” is eliminated from the rule.
    - *The phrase is not defined in the rule and therefore causes confusion as to what is not high quality. It has no regulatory meaning.*
- Page 2-3
  - Describes the antidegradation process including Level I and Level II reviews.
- Page 3
  - Adds a Category 3 water to include all other waters previously described as not being in Category 1 and Category 2.
    - *This rounds out all waters of the state to be in an antidegradation category.*
- Page 3-4
  - Describes where a Antidegradation Level II Review is not required for Category 3 waters.
- Page 4
  - Allows “fish removal efforts” for the Division of Wildlife Resources to eradicate undesirable species as a part of their fisheries management responsibilities.
- Page 4-5
  - Describes the “mathematical off-ramps” undertaken as a part of the Level I review to define where a Level II Review is required.
- Page 5
  - Removes and changes of wording to clarify and condense the antidegradation process.
    - UDWR classification scheme is eliminated as a test for Level II review.
    - Elimination of wording which is a part of the process as indicated on pages 2-3.
- Page 6
  - Removes of duplicate wording
- Page 9
  - Capitalizes genus of described pathogenic organisms.
- Page 9
  - Adds references of actions the Colorado Salinity Forum to our rules.

- Page 10-11
  - Adds phrases to more clearly define primary and secondary recreation.
    - “frequent/infrequent primary contact”
    - “high/low likelihood of ingestion”
- Page 11
  - Segments surface waters associated with Great Salt Lake into five areas
    - Gilbert Bay
      - Primary recreation designated for this area.
    - Gunnison Bay
    - Bear River Bay
    - Farmington Bay
    - Transitional Wetlands
    - All segments have the primary recreation use removed with the exception of Gilbert Bay.
      - *Under the proposed 2A 2B classifications, Gilbert Bay is the only area where there is a possibility of frequent primary contact with a high likelihood of ingestion. Gilbert Bay supports recreational camping and picnicking areas where some wading may occur. Nevertheless, it is prudent to protect it for 2A because of the facilities that are constructed at Antelope Island State Park.*
  - Discusses how the Division’s assessment procedures will be conducted.
- Page 17-57
  - Changes in use classifications
    - Pages 17-18: Upgrades tributaries to the Escalante River
      - *TMDL Section request.*
    - Page 26: Salt Creek in Box Elder county is given a site specific beneficial use (without agriculture)
      - *Natural occurring TDS is >19,000 mg/l.*
    - Page 27: Saleratus Creek is given a site specific beneficial use to match its classification to its current conditions.
      - *TMDL Section request.*
    - Page 29: State Canal being given a site specific beneficial use.
      - *Match its water source – the Jordan River. It was previously not listed.*
    - Pages 42-44: Great Salt Lake is being segmented into five areas based upon geography and ecosystem (see p. 11). The use classifications for each area are:
      - Open Water below 4,208
        - Gilbert Bay 5A
        - Gunnison Bay 5B
        - Bear River Bay 5C
        - Farmington Bay 5D
      - Transitional Wetlands 4,208 to Open Water
        - 5E

- Open Water above 4,208
    - 2B 3B<sup>1</sup> 3D
- Page 44
  - Changes the default classification of Lakes from 20 acres to 10 acres.
- Page 57
  - Footnote #7. Changes in E. coli maximum values and adds an assessment clarification (p. 61).
- Page 58
  - Numeric criteria for TDS is being returned to 2003 value of 1,200 mg/l for all Class 4 [Agriculture] waters.
- Page 58
  - Footnote #2: The method of measuring metals referring to specific instrument methodology as been replaced by approved laboratory methods to achieve the required detection levels. (Also see Footnote #5 p. 65)
- Page 59
  - Footnote #4: Gives guidance where site specific TDS standards may be appropriate.
- Page 59-60
  - Site specific standards for TDS are updated
    - Add
      - Antelope Creek
        - *TMDL Section request.*
      - Various tributaries from the Price River to ~7,500 feet.
        - *These segments are in the mancos shale areas.*
        - *TMDL Section request.*
      - South Fork of Spring Creek
        - Site specific request from NPDES discharger
          - *Maintain basis upon which permit was written*
          - *Increase TDS values by 400 mg/l for irrigation and non-irrigation season.*
            - *Phosphorus removal requirements necessitating addition of alum or ferric chloride.*
- Page 61
  - Footnote #7
    - Clarification of E. coli measurements and assessment procedure
      - Natural sources are excluded.
      - Quanti-Tray 2000 procedure is defined as a field method.
      - Assessment procedures use the 90<sup>th</sup> percentile for 303(d) listing.
- Page 62
  - Averaging period for dissolved oxygen maximum value changed from one day average to minimum.

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<sup>1</sup> In inadvertently changed from 3C to 3B. Will be returned to original beneficial use of 3C as appropriate.

Page 63

- A tissue based standard for Selenium is added to Gilbert Bay of Great Salt Lake.
- The chronic ammonia standard is added to 3C and 3D classifications
  - *EPA recommendation*
- Page 64
  - Diazinon and Nonylphenol are added to the water quality criteria
    - *EPA recommendation*
- Page 68
  - Footnote #14
    - Adds an assessment / sampling procedure as a part of the selenium standard for Gilbert Bay of Great Salt Lake.

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Additional Items for Consideration in changes to rule making.

- Add North Fork of Virgin River as 3A.
- Change GSL Assessment Procedure after further consideration.