

Utah Division of Water Quality: Proposed Antidegradation Level II Review --- Pending

Data Input & Results for Antidegradation Level I Review [Off-Ramps]

Upstream [Above Discharge] Condition

Weber River

Flow: **36.00** 7Q10 cfs
180.00 Average
 Conc.: **0.0060** mg/l

Discharge Information

Central Weber WWTP

Existing Discharge

Flow: **44.500** MGD
 Conc.: **0.001** mg/l

Parameter of Concern:

Water Quality Standard:

Copper
0.0239 mg/l

Parameter	WQ Std.

Baseline Concentration:

Current Conc.: 0.003 mg/l
 Proposed Conc.: 0.003

Renewal (or New) Discharge

Flow: **44.500** MGD
 Conc.: **0.002** mg/l

68.842 cfs

68.842 cfs

Current DWQ Antidegradation Procedure: R317.2

#1: Proposed Discharge Conc. <= Current Discharge Conc:

No

Water Quality Impacts are Minor:

Increase in Project Loading < 20%:

1.00E+00

No

Increase in Pollution Loading is

< 20% over Background [Avg] After Mix:

24.17%

No

Small Discharge Volume

Stream flow (avg) / Discharge Flow >100:1

6.26

No

Stream flow (7Q10) / Discharge Flow >25:1

0.52

No

Stream increase conc. < 10%

24.17%

No

Note: Background area is where the comparison for

antidegradation is evaluated, i.e., in the mixing zone below the discharge. Also called the baseline.

Level II Required [One must be Yes for Off-ramp]

Level II Required [All must be Yes for Off-ramp]

Level II Required

yes

DWQ/EPA Proposed Calculations 12/6/2007

#1: Proposed Conc. In Baseline <= Current Conc.

Condition Met

#5(a): Comparison of Baseline Concentration

#5(b): Comparison of Baseline Concentration

#5(c): Comparison of Baseline Concentration

to Water Quality Standard < 50%

50.0%

to Water Quality Standard >= 50% - < 75%

to Water Quality Standard >= 75%

75.0%

Actual %:

14.1%

Actual %:

14.1%

Actual %:

14.14%

Applies

Does Not Apply

Does Not Apply

Baseline Assimilative Capacity

Allowable to be Used:

20.0%

Actual % Used:

3.11%

Condition Met

Baseline Assimilative Capacity

Allowable to be Used:

10.0%

Actual % Used:

3.11%

Condition Met

Baseline Assimilative Capacity

Allowable to be Used:

0.0%

Actual % Used:

3.11%

Condition Met

Level II Not Required

no

Concentration Evaluation:

Applicable Water Quality Standard:

0.0239 mg/l

100.0% Water Quality Standard

Background Concentration:

0.0060 mg/l

25.16% Utilized by Background

Remaining Assimilative Concentration Capacity:

0.0179 mg/l

74.8% Remaining

Baseline Concentration [1st Pass]:

0.0027 mg/l

11.39% Utilized by Background & Current Discharge

Remaining Assimilative Concentration Capacity:

0.0211 mg/l

88.6% Remaining

Baseline Concentration [2nd Pass]:

0.0034 mg/l

14.14% Utilized by Background, Current Discharge, & Proposed Discharge

Remaining Assimilative Concentration Capacity:

0.0205 mg/l

85.9% Remaining