

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, Washington 98101

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. §1251 et seq., as amended by the Water Quality Act of 1987, P.L. 100-4, the "Act",

North Idaho Correctional Institution Wastewater Treatment Facility
Route 3, P.O. box 147
Cottonwood, Idaho 83522

is authorized to discharge from a wastewater treatment facility located in Cottonwood, Idaho, to receiving waters named "unnamed creek to Lawyer Creek" in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective **May 1, 2004**.

This permit and the authorization to discharge shall expire at midnight, **April 30, 2009**.

Signed this **5th** day of **March, 2004**.

/s/ Robert R. Robichaud for
Randall F. Smith
Director
Office of Water, Region 10
U.S. Environmental Protection Agency

This permit modification shall become effective on *March 15, 2006*.

Signed this *15th* day of *March, 2006*.

Mary Kay Vaytella for
Michael F. Gearheard
Director
Office of Water and Watersheds Region 10
U.S. Environmental Protection Agency

I. SPECIFIC LIMITATIONS AND MONITORING REQUIREMENTS

A. Effluent Limitations and Monitoring Requirements.

- During the period beginning on the effective date of this permit the Permittee is authorized to discharge wastewater from Outfall 001 from March 1st through December 31st to an unnamed creek which flows into Lawyer Creek provided the discharge meets the limitations and monitoring requirements set forth herein. This permit does not authorize the discharge of any waste streams, including spills and other unintentional or non-routine discharges of pollutants, that are not part of the normal operation of the facility as disclosed in the permit application.

Table 1: Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations				Monitoring Requirements		
	Average Monthly Limit	Average Weekly Limit	Maximum Daily Limit	Instantaneous Maximum Limit	Sample Location	Sample Frequency	Sample Type
Flow, mgd	---	---	---	---	Effluent	1/week	measured
Biochemical Oxygen Demand (BOD ₅)	30 mg/l	45 mg/l	---	---	Influent and Effluent	1/month	grab
	8 lbs/day	11 lbs/day	---	---			
Total Suspended Solids (TSS)	30 mg/l	45 mg/l	---	---	Influent and Effluent	1/month	grab
	8 lbs/day	11 lbs/day	---	---			
E. Coli Bacteria ^{1,2}	126/100 ml	---	---	406/100 ml	Effluent	5/month	grab
Total Residual Chlorine ^{2,3,4}	0.05 mg/L	---	0.1 mg/L	---	Effluent	1/week	grab
	0.01 lbs/day	---	0.03 lbs/day	---			
Temperature ⁵ , EC	---	---	---	---	Effluent	1/month	grab
Dissolved Oxygen ⁵ , mg/L	---	---	---	---	Effluent	1/month	grab
Total Phosphorus ⁵ as P, mg/L	---	---	---	---	Effluent	1/month	grab
Total Ammonia as N, mg/L ⁵	---	---	---	---	Effluent	1/month	grab

- The average monthly E. coli counts must not exceed a geometric mean of 126/100 ml based on a minimum of five samples taken every 3-5 days within a calendar month. See Part I.G. for definition of geometric mean.
- Reporting is required within 24 hours of a maximum daily limit or instantaneous maximum limit violation. See Part II.G.
- The average monthly concentration limit for chlorine is not quantifiable using EPA approved test methods. The permittee will be in compliance with the average monthly effluent limit for chlorine provided the average monthly total chlorine residual level is at or below the compliance evaluation level of 0.1 mg/L, with a average monthly loading at or below 0.03 lbs/day.
- Chlorine effluent limits shall become effective May 1, 2007 in accordance with the conditions of the Compliance Schedule in Part I.B., below.
- Monitoring shall be conducted once per month starting in May 2005 and lasting until a minimum of 10 samples have been collected.

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2. The pH range shall be between 6.5 - 9.0 standard units. The Permittee shall monitor for pH once per week. Sample analysis shall be conducted on a grab sample from the effluent.
3. There shall be no discharge of floating solids, visible foam in other than trace amounts, or oily wastes that produce a sheen on the surface of the receiving water.
4. 85% Removal Requirements for BOD₅ and TSS: For each month, the monthly average effluent concentration shall not exceed 15 percent of the monthly average influent concentration.

Percent removal of BOD₅ and TSS shall be reported on the Discharge Monitoring Reports (DMRs). The monthly average percent removal shall be calculated from the arithmetic mean of the influent value and the arithmetic mean of the effluent value for that month. Influent and effluent samples shall be taken over approximately the same time period.

B. Chlorine Schedule of Compliance.

1. The permittee must achieve compliance with the chlorine limitations of Part I.A.1. (Table 1), by May 1, 2007. In the interim the following effluent limits must be met:

Average Monthly Limit: 0.5 mg/L
Maximum Daily Limit: 0.75 mg/L
2. Until compliance with the effluent limits is achieved, the permittee must submit a 6-month Report of Progress which outlines the progress made towards reaching the compliance date for the chlorine effluent limitations. The 6-month Report of Progress must be submitted by November 1, 2004. See also Section II.J., "Compliance Schedules". At a minimum, the Report of Progress must include:
 - a. An assessment of the previous six months of chlorine data and a comparison to the effluent limitations.
 - b. A report on progress made towards meeting the effluent limitations.
 - c. Further actions and milestones targeted for the upcoming six months.