

STATE OF COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
TELEPHONE: (303) 692-3500



AMENDMENT 1 -- RATIONALE

Colorado Discharge Permit System (CDPS)
General Permit
for Domestic Wastewater Treatment Works
With Land Treatment of Effluent at Agronomic Rates
Permit COX-633000

I. Purpose of Amendment 1:

The Water Quality Control Division ("the Division") is providing modifications to *General Permit 633000 for Domestic Wastewater Treatment Works with Land Treatment of Effluent at Agronomic Rates* in order to clarify and refine the permit requirements and to address comments and concerns raised after the General Permit was issued on March 30, 2007.

II. Purpose of Amendment 1:

- **Section V.A.** Text was added indicating that wastewater treatment works (WWTWs) subject to Colorado Watershed Protection Control Regulations (Regulation Nos. 71 through 75) may be required to install and monitor lysimeters. This change was made because the Watershed Protection Control Regulations include requirements for using lysimeters to demonstrate compliance with phosphorus loading limitations. This modification adds flexibility to the general permit monitoring requirements and expands the applicability of the general permit to WWTWs within watershed protected areas.
- **Section VI.E.3.** A redundant paragraph regarding modification of flow requirements was removed.
- **Section VII.A.** This subsection was added to ensure that WWTWs operate in accordance with their Division-approved Land Application Management Plan (LAMP), maintain a copy of the LAMP at the site, and submit any proposed modifications to the LAMP for review and approval by the Division.
- **Section IX.B.7.a.** Text was added indicating that proposed modifications to the LAMP must be submitted in writing for review and approval by the Division prior to incorporation into the LAMP.

III. Public Notice Changes:

- Subsequent to public notice, the Division wanted to further clarify the applicability of the effluent limitations for BOD₅, TSS, pH, and oil and grease (i.e., secondary treatment standards provided in Regulation No. 62, Regulations for Effluent Limitations) to land treatment systems. For facilities designed to provide secondary treatment *through* land application of effluent (such as through irrigation), the appropriate point of compliance for secondary treatment standards may be located subsequent to the land application area. Furthermore, monitoring for secondary standards subsequent to the land application area in some cases may be impracticable.

Section V.A of the general permit has been modified to include the following text:

V.A *Where a facility is specifically designed to provide secondary treatment through the land application of effluent, the Division may waive monitoring requirements for secondary standards and instead employ permit-required practice-based measures and/or the*

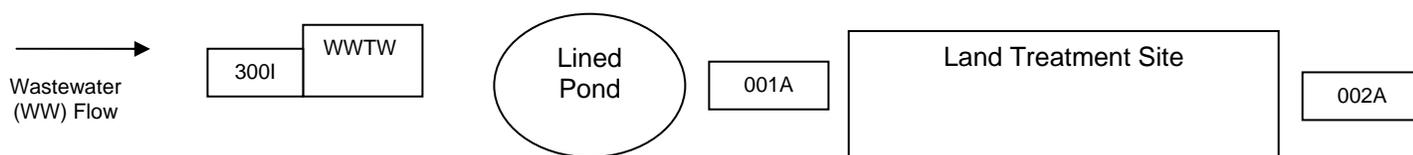
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submission of an annual report to ensure that the WWTW provides adequate treatment to comply with the secondary standards at an appropriate point of compliance.

Note that an unlined impoundment does not represent a Division-approved land treatment design for providing secondary treatment and requested modifications to secondary treatment standards prior to an unlined impoundment will not be granted.

The treatment system Scenarios 1 and 2 provided in the Rationale for General Permit COX-633000 are clarified as follows:

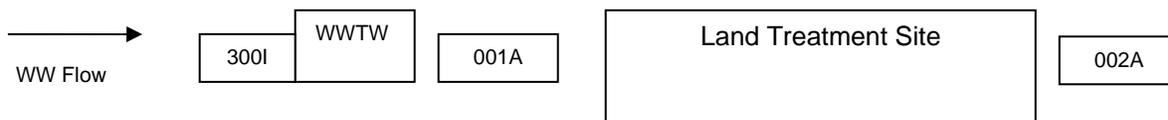
Scenario 1: WWTW discharges to a lined pond(s). Reg. 41 GW standards cannot be met prior to land treatment site. Land treatment occurs at an Agronomic Rate.



Regulatory Applicability:

- 300I: Influent flow, BOD, TSS
- 001A: Effluent flow
- 001A or 002A: Reg. 62 parameters.
- Lysimeters (but not monitoring wells) may be required at the land treatment site.

Scenario 2: WWTW discharges directly to land treatment site. Reg. 41 GW standards cannot be met prior to land treatment site. Land treatment occurs at an agricultural area at an Agronomic Rate.



Regulatory Applicability:

- 300I: Influent flow, BOD, TSS
- 001A: Effluent flow
- 001A or 002A: Reg. 62 parameters.
- Lysimeters (but not monitoring wells) may be required at the land treatment site.

Permit Writer:

Margo Griffin
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