



PERMIT REQUIREMENTS FOR CLEANING OF HEAT TRANSFER EQUIPMENT/ CONDENSER COILS

Flyer artwork Created by Major Heating's marketing department

The routine cleaning of Heat Transfer Equipment (HTE) / Condenser Coils with is a long-standing industry practice to increase operating efficiency of the equipment and reduce energy consumption. Wastewater from this cleaning process discharged to surface waters (rivers, streams, lakes, storm sewers, ditches) or ground water requires a permit from the Water Quality Control Division (Division). The following questions and answers are provided to aid a general understanding of this permitting process.

What are the Permit Requirements for HTE / Coil Cleaning?

- The Division requires permit coverage (certification under general permit, COG-607000 Commercial Washing of Outdoor Structures) for discharges to surface waters (including releases to storm drains) and ground water associated with cleaning of HTE / condenser coils
- A long-term permit (effective for 5 years) is available. The long-term certification can be terminated prior to the end of the 5-year term and a prorated refund will be issued to the permittee (minus 90 days)
- **This permit does not allow the discharge of any chemicals, soaps, or detergents**
 - This permit requires the implementation of Best Management Practices (BMPs)—see BMP requirements on Page 7 of the General Permit at:
<http://www.cdphe.state.co.us/wq/PermitsUnit/Industrial/607000per.pdf>
 - If the discharge is to an MS4 (municipal separate storm sewer system) or other conveyance, the owner of the system must be contacted prior to discharge to verify private, local, or federal regulations, ordinances or other requirements. MS4 contact information can be found on the Division's web page at:
<http://www.cdphe.state.co.us/wq/PermitsUnit/PolicyandGuidance/MS4contacts.pdf>
 - BMP compliance records must be kept by the permittee for a minimum of 3 years; these do not need to be submitted to the Division unless requested. These records are subject to inspection by the Division.

Who Needs to Apply?

- All companies who perform HTE cleaning and discharge the rinse water, where there is the potential for the rinse water to reach ground water or surface waters; streams, rivers, ditches, storm sewers, parking lots that eventually flow to storm sewers
- Companies with multiple employees and multiple job sites only need to apply for one permit. Copies of their certification must be available on EACH job site
- All facilities who perform their own HTE cleaning and discharge the rinse water associated with this activity
 - Facilities with multiple buildings and/or multiple employees performing HTE cleaning only need to apply for one permit. Copies of their certification must be available on EACH job site

Who is Liable for Non-Compliant Discharges?

- Both the property owner where the work is being performed and the company who is performing the coil cleaning causing the discharge are liable for the non-compliant discharge



Flyer artwork Created by Major Heating's marketing department

When is a Permit Not Necessary?

- If the rinse water is sent to the sanitary system (with the pre-approval of the owner of the system)
- If the rinse water is captured and sent to a permitted centralized-treatment facility for treatment
- If the rinse water completely evaporates on site; the owner/operator must be in control of the discharge until complete evaporation occurs

When to Apply?

- The application must be received by the Division at least ten business days prior to performing the HTE cleaning.

How to Apply?

- You can obtain the permit application on our website at:
<http://www.cdphe.state.co.us/wq/PermitsUnit/Industrial/index.html>
 - The Commercial Washing of Outdoor Structures, COG-607000 is found under the 10th bullet
 - It is suggested that you read the permit and the rationale to better understand the permit requirements
- Please supply an e-mail address if you would like your certification emailed to you; indicate in BOLD that you would like your certification e-mailed to you

What if Chemicals Are Added?

- If chemicals are added to the cleaning water, then the rinse water must be collected and discharged to a sanitary system (with the pre-approval of the owner of the sanitary system) or taken to a permitted centralized-treatment facility for treatment and disposal
- 'Bio-Degradable' Chemicals—Chemicals labeled 'Bio-Degradable' are not allowed to be discharged to surface waters, storm-sewers, or other conveyances at this time

What is the Cost for this Permit?

- The long-term permit (5 year) costs \$630 per year. However, if the permit is terminated before the expiration date, a prorated refund will be issued to the permittee, minus 90 days
- Payment does not need to be submitted with the application or before the permit is issued—the Division will send an invoice after the permit is issued. Invoices are sent annually.

Contact for Additional Information?

- Industrial Permits Unit, www.cdphe.state.co.us/wq/PermitsUnit/Industrial/index.html
- Phone: 303-692-3500
- Mail: CDPHE- WQCD-WQP-B2
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530