

Hazardous Waste Research, Development and Demonstration (RD&D) Permit

Program Description

The Hazardous Materials and Waste Management Division may issue a temporary permit to a hazardous waste treatment facility proposing to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards don't already exist. The goal of this type of permit is to encourage the development of new hazardous waste treatment technologies by accelerating the permitting process. These evaluations can be done at lab, pilot and full scale facilities.

Who Can Apply

Owners and operators of existing or new hazardous waste management units must have permits for the active life of the unit, including the closure period.

Application Process

There is no established application form for an RD&D permit. The applicant needs to furnish details on the proposed design and location for the demonstration unit, why the research is experimental, a summary of the research objectives, the type and quantity of waste to be treated, information on the anticipated performance of the unit, sampling and quality assurance plans, identification of waste handling, storage and disposition procedures, the training and qualification of the researchers, emergency response and safety measures, financial assurance information and any other information the Division deems pertinent to the application review process.

Duration of Permit

Permits are effective for up to one year of operation and are renewable for up to three one-year terms. The duration is flexible to allow adequate time to prove the feasibility of the technology or process. An RD&D permit may be terminated by the Division at any time if the Division determines that termination is appropriate to protect human health and the environment.

Fees

Facilities operating under a Research, Development and Demonstration permit are subject to annual operating fees that partially offset the cost of monitoring and compliance. This fee is based on the amount of waste processed. Current annual operating fees for an RD&D permit have a minimum fee of ~~\$2835~~ \$1985*. Post-closure fees are also applicable and are used to partially offset the cost of monitoring and compliance. These fees are currently ~~\$5250~~ \$3675* per unit being closed. Document review and activity fees are assessed for the Department's technical and administrative time for reviewing, writing, issuing or denying and maintaining a permit. The hourly charge is set at ~~\$150/hr~~ \$105*. There are fee ceilings for operating permits, post closure permits and the closure plan. Ceilings range from \$17,000 to \$34,000. In addition, these facilities are subject to the annual Hazardous Waste Commission fee, currently \$400 for non-commercial treatment, storage and disposal facilities (TSDFs) and \$600 for commercial TSDFs. *Temporary fee reduction for calendar year 2012

Public Participation

Public notice will be provided and an informational public meeting held prior to submission of the application. The public will have at least 45 days to submit written comments on the

proposal. Public notice will also be provided of the Division's intention to approve or deny the Research, Development and Demonstration permit application. If requested or if there is enough public interest, the Division will hold an informal public hearing to discuss issues relating to the permit. The Division will respond to any significant comments raised during the public comment period or hearing before issuing a final decision to approve or deny the Research, Development and Demonstration permit.

Statutes and Regulations

CRS 25-15-303 et. seq.

Colorado Hazardous Waste Regulations 6 CCR 1007-3 Section 100.25

Division Contact

Customer Technical Assistance

Telephone 303-692-3320

Toll-free 1-888-569-1831 ext 3320

Fax 303-759-5355

Email comments.hmwmd@state.co.us

Web www.cdphe.state.co.us/hm/