



## BUREAU OF NONPOINT POLLUTION CONTROL

### DIVISION OF WATER QUALITY



#### New Jersey Pollutant Discharge Elimination System (NJPDES) Dental Facilities Onsite Wastewater Treatment System General Permit No. NJ0168416

### Background

The Bureau of Nonpoint Pollution Control (BNPC) has issued a New Jersey Pollutant Discharge Elimination System – Discharge to Ground Water (NJPDES-DGW) general permit for Dental Facilities Onsite Wastewater Treatment Systems. On October 1, 2007 at 39 N.J.R. 4117(a), the Department adopted revisions to N.J.A.C. 7:14A-21.12 to regulate dental facilities that discharge to sanitary sewer treatment facilities through the establishment of Best Management Practices (BMPs) authorized by the New Jersey Pollutant Discharge Elimination System-Significant Indirect User (NJPDES-SIU) regulations to remove mercury amalgam prior to entering the waste stream. The purpose of the NJPDES-DGW general permit NJ0168416 (Category K2) is to implement similar efforts for those dental facilities that discharge to individual subsurface sewage disposal systems or Class V Underground Injection Control (UIC) wells, which when properly maintained, are pumped and solids are disposed at those sanitary sewer treatment facilities.

**If the applicant is not the dentist, the dentist may be a co-permittee by identifying this intent in a letter addressed to the Department and carbon copied to the applicant.**

**If the dentist changes, the applicant must notify the Department.**

tanks with seepage pits, disposal fields, leach or tile fields (or an equivalent distribution mechanism); cesspools; dry wells; injection wells and infiltration galleries. NOTE: Existing individual subsurface sewage disposal systems or Class V Underground Injection Control (UIC) wells are either currently regulated under N.J.A.C. 7:9A, the

Standards for Individual Subsurface Sewage Disposal Systems or under N.J.A.C. 7:14A, Pollutant Discharge Elimination System. For those systems currently authorized under N.J.A.C. 7:9A, this general permit will supercede the current N.J.A.C. 7:9A authorization. Additionally, for systems currently authorized under N.J.A.C. 7:14A, this general permit will be in addition to the current NJPDES-DGW authorization.



### How do I Apply?

The BNPC has developed an application checklist, "NJPDES-DGW Checklist: Individual and General Discharge to Ground Water Permits" to assist in completing a Request for Authorization (RFA) for the NJPDES-DGW general permit NJ0168416 (Category K2). The checklist specifies the information required to be submitted to the Department as a RFA.

The RFA should include:

1. A completed **NJPDES-1 Form**
2. A **Map Depicting the Location of the Facility**  
Can be a copy of either of the following 2 items:
  1. A local street map with the property identified; or
  2. A USGS topographic map with the property identified.
3. A **Plot Plan**  
Can be a copy of any 1 of the following 3 items:
  1. A plan approved by the local health department or the State; or
  2. A property survey with the septic system identified; or
  3. The municipal tax map with the property identified.
4. A completed **Supplemental Application Form**

### Who is Eligible?

The category of discharges that are eligible for authorization under the NJPDES-DGW general permit NJ0168416 (Category K2) are those who discharge wastewater to

the ground water from new or existing dental facilities using individual subsurface sewage disposal systems, i.e. "septic systems", or a Class V Underground Injection Control (UIC) well. Examples of these systems include septic



Please keep the following in mind when completing the NJPDES-1 Form. The applicant(s)/operating entity(ies) must be the owner of the individual subsurface sewage disposal system. If the owner of the individual subsurface sewage disposal system is not the dentist/dental facility, the dentist/dental facility may be a co-permittee. To become a co-permittee, the dentist/dental facility must identify this intent in a letter addressed to the Department and carbon copied to the owner of the individual subsurface sewage disposal system. This letter must be submitted with the application.

The complete application package should be sent to:

New Jersey Department of Environmental Protection  
Bureau of Permit Management  
P.O. Box 029  
Trenton, NJ 08625-0029

### Permit Requirements

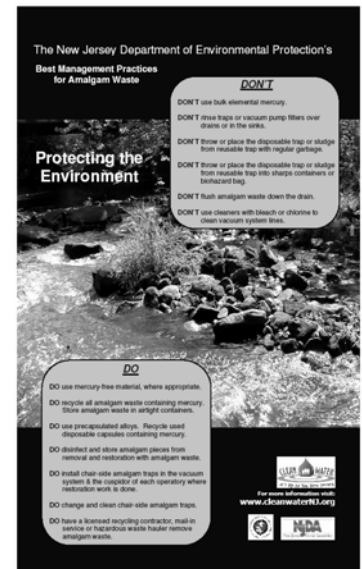
The NJPDES-DGW general permit NJ0168416 (Category K2) requires dental facilities that generate amalgam waste to implement Best Management Practices (BMPs) and install an amalgam separator. For existing dental

**If the applicant is not the dentist, the applicant must annually certify to the Department that a written agreement with each dentist stating that the dentist agrees to comply with the requirements of the permit is in place.**

**The applicant must annually certify to the Department that the BMPs have been implemented and an amalgam separator has been installed.**

facilities, the BMPs are required to be implemented by October 1, 2008 and an amalgam separator is required to be installed by October 1, 2009. An amalgam separator is equipment designed to remove amalgam waste contained in rinse or wastewater from chair-side water collection and discharge systems. In accordance with this general permit, the amalgam separator is required to be certified to perform at ninety-eight (98) percent or greater efficiency in accordance with the testing methodologies required by the International Standard Organization (ISO) 11143 protocol, which requires a minimum ninety-five (95) percent efficiency to be certified. The installation and proper operation of

these amalgam separators will prevent ninety-eight (98) percent of the amalgam waste from entering an individual subsurface sewage disposal system or a Class V Underground Injection Control (UIC) well.



### How Do I Get More Information?

For further information, contact the Bureau of Nonpoint Pollution Control at 609-633-7021, or write to:  
NJDEP - Bureau of Nonpoint Pollution Control  
PO Box 029

or check our website at:  
[http://www.state.nj.us/dep/dwq/bnpc\\_home.htm](http://www.state.nj.us/dep/dwq/bnpc_home.htm)