

Section 986  
SAMPLING CHIP-SEAL EMULSIONS

**986.01 Scope**

Method for sampling chip-seal emulsions from tankers and/or trailers delivered to the job-site.

**986.02 Apparatus**

- 1-quart, wide-mouthed, plastic bottles
- Sampling Spigot
- 5-gallon metal pail with crimped lid, or equal

Each truck and/or trailer delivering emulsion to the project/sampling site shall be equipped with a dedicated sampling valve built into the tank itself, capable of extracting a 1-quart sized sample.

**Alternative:** A detachable valve fitting, similar to the one shown in **figure 1** will be used if the truck and/or trailer have no dedicated sampling valve. The Transport Driver will supply and maintain the detachable valve fitting.



**figure 1**

**986.03 Procedure**

- For each sample to be taken UDOT shall supply 1-quart sample containers.
- If a dedicated sampling spigot mounted into the tank wall is used, draw off and waste a minimum of 1 gallon of emulsion before taking the sample (see **note 1**).
- If a detachable valve fitting is used, pump 1/3 of the emulsion from the tank being sampled into an empty tank or distributor. Purge the detachable valve fitting by drawing off and wasting a gallon of emulsion prior to taking the sample.
- The Contractor or Transport Driver shall sample the truck and/or trailer as directed by and in the presence of a UDOT representative. Fill a minimum of two, one-quart containers. The UDOT representative will immediately take possession of the sample and both parties will fill out and sign the sample certification form. If the initial test fails, UDOT will retest the second bottle of the sample. No emulsion shall be placed until its respective sample passes specifications.

**Note 1** - The Transport Driver shall be responsible for accumulating and disposing of the wasted emulsion off of the UDOT right-of-way, in accordance with applicable environmental regulations.