

**OHD L-11
REQUIREMENTS
For
HANDLING AND STORAGE OF BITUMINOUS MATERIALS**

These requirements establish standard practices in the handling and storage of bituminous materials which will reduce the contamination of these materials to the minimum degree practicable and assure their acceptance in the work. They are subject to revision as additional information is gained through their application.

The responsibility for compliance with these requirements is to be assumed by those carrying out the various functions. When tests by the Materials Division of samples taken at the point of delivery or the contractor's storage are not in reasonable agreement with the Materials Division's tests of samples taken at the source, the movement of, and/or the use of the bituminous materials shall be suspended until the faulty material is traced to its origin and the condition corrected and approved by the Materials Division before the movement or use of the material is resumed.

- 1, Each transport shall be equipped with a sampling device with a gate valve or petcock located in the discharge line in such a way as to allow a sample to be drawn during the unloading of transport. The device shall be maintained in an operating condition at all times.
2. Each hauler shall maintain a "log" or record with each transport showing the type, grade, source, destination and date of the last previous delivery made using the hauling tank as identified therein.
3. Each transport to be equipped with an observation hatch so located as to be suitable for inspection and direct measurement of the depth of the material at the lowest point in the tank. (An approximate six inch diameter opening with cover located at the top and near the discharge end of the transport is considered suitable.)
4. Before loading, the producer's representative shall inspect the transport to assure that it is empty and check the hauler's "log" to assure that no contamination will result from the previous load.
5. When bituminous materials are received for storage at the mixing plant or project site, separate tanks shall be provided for each type and grade of material. Storage tanks shall be cleaned before being used for a different material except that cleaning is not required when the material to be stored is compatible with the material last contained in the tank and the tank has been completely emptied. See guide chart attached.

The following chart is offered as a guide in the use of tanks for the storage of a different bituminous material than last used in the tank.

Materials Last Used In Tank

Material To Be Stored	Asphalt Binder	Cut-Back	Cationic Emulsion	Anionic Emulsion
Asph. Binder	OK To Fill	OK To Fill	Cleaning Req'd. (2)	Cleaning Req'd (2)
Cut-Back Loaded or Used Below 200° F.	OK To Fill (1)	OK To Fill	OK To Fill (1)	OK To Fill (1)
Cut-Back Loaded or Used Above 200° F.	OK To Fill (1)	OK To Fill	Cleaning Req'd (2)	Cleaning Req'd. (2)
Cationic Emulsion	OK To Fill (1)	OK To Fill (1)	OK To Fill	Cleaning Req'd (2)
Anionic Emulsion	OK To Fill (1)	OK To Fill (1)	Cleaning Req'd. (2)	OK To Fill

- (1) Tank completely emptied.
- (2) Cleaning may be accomplished by intermediate use of tank with an acceptable material.

NOTE: To properly empty a tank, it is essential that the contents be heated to its working temperature before draining.