

**KENTUCKY DEPARTMENT OF HIGHWAYS
ANNUAL CERTIFICATION FOR PREVIOUSLY APPROVED
ASPHALT MIXING PLANTS AND RELATED EQUIPMENT**

Date _____

Contractor _____ Phone # _____

Plant Location _____ Phone # _____

Make of Plant _____ Plate/CIMA rating _____

(lbs/batch) or (tons/hour)

Screen sizes _____

(Scalper)

(Top Deck)

(Middle Deck)

(Bottom Deck)

Do you have a HMA surge/storage system with your asphalt plant? _____

If yes, please provide the following information:

Type of system heating _____ Surge _____ Storage _____

Make _____ Capacity _____ tons

Is your asphalt plant equipped with a RAP feeder? _____

If yes, define how the RAP is introduced into the mixture: _____

Is your asphalt plant equipped to produce Warm Mix Asphalt (WMA)? _____

If yes, what type of supply system? Water injection _____ Manufactured additives _____

What brand of supply system for producing WMA will be utilized? _____

NOTE: Any plant modifications or changes made will require a new MASTER CERTIFICATION to be completed, stating in detail all revisions, modifications, etc.

The following is a list of items that must be provided at the field laboratory and a list of conditions that must be satisfied at the asphalt plant. Indicate their presence and proper working conditions by checking on the line provided.

NOTE: The applicable Kentucky Method (KM) and AASHTO standard defines the equipment required to perform a given test procedure.

Inspection List for Asphalt Mixing Plants

The following is a list of items which must be provided at the field laboratory and a list of conditions which must be met at the mixing plant. Indicate their presence and proper working conditions by checking on the line provided.

Note: The Kentucky Testing Method (KM) and AASHTO standard defines the equipment required to perform a given test procedure.

Stockpiles

_____ No intermixing or segregation

Method of stockpile construction: Truck _____ Conveyor _____ Loader _____ Other _____

Stockpiles separated by: Walkway _____ Driveway _____ Bulkhead _____ Other _____

Plant

_____ Batch _____ Drum

_____ One Internet access site per company for sending and receiving electronic mail

Email address: _____

_____ Batching scales certified (Batch Plants); date _____

_____ Truck scales certified; date _____

_____ Load cells for PG binder calibration tank certified (asphalt metering pump); date _____

_____ Manufacturer's plate listing maximum rated capacity of plant

Location of maximum capacity rating plate or documentation:

_____ Cold feeders, adjustments total and proportional

_____ No flow paddles attached and working properly

_____ Cold bins in good shape, properly divided

_____ Each hot bin equipped with cutoff device for indication of low supply of material

_____ Hot bin sampling device

_____ Screens in place and free of holes and tears

_____ Adequate and safe stairways to mixer platform

_____ All gears, pulleys, chains, and other moving parts guarded

_____ Automatic burner or recording thermometer and non-recording thermometer near discharge in aggregate bin

- _____ Two or more asphalt binder tanks, or one tank for each grade asphalt binder normally stored
- _____ Means provided for accurately measuring the volume of asphalt binder material in storage tank
- _____ Return discharge line in asphalt binder tank near bottom (preferably located at opposite end of tank from outlet to plant)
- _____ Sampling outlet in each asphalt binder tank or feed line to plant
- _____ Non-recording thermometer for asphalt binder feed line or storage tank
- _____ Drainage receptacle for flushing sampling outlet
- _____ Ten test weights of 50 lbs. (Batch Plants)
- _____ Scales for checking cold feeds
- _____ Clean truck bed signs. (See Standard Specifications 401.02.01, N)
- _____ Power Sprayer for truck bed solution
- _____ Sturdily constructed platform of suitable height for inspection and sampling the mixture from any size truck 7 to 7.5 ft. tall at floor level

Field Laboratory

- _____ One computer installed with and utilizing a minimum system requirement: Microsoft Office 2003 Professional (Full Installation)
- _____ One printer utilized for printing test data
- _____ Sufficient parking space for state personnel, near the on-site laboratory
- _____ Floor space 250 sq. ft.
- _____ Width, not less than 7 ft.
- _____ Height of ceiling, no less than 7 ft. high
- _____ One desk or table and two chairs
- _____ One workbench 2.5 ft. by 6 ft. min.
- _____ One permanent mounting base for solvent extractor located away from exit
- _____ One light over each table and workbench and at least one ceiling light
- _____ Electric wall outlets on each wall
- _____ A fume hood and exhaust which are adequate for removal of solvent fumes (for solvent extractors).
- _____ All contractor's equipment and supplies not pertaining to testing removed from the laboratory
- _____ A suitable table or area (1.2 sq. ft.) for purposes of mixing and quartering of mixture samples

Laboratory Equipment

- _____ Laboratory accreditation documentation on file and updated as required
- _____ One Superpave gyratory compactor and specimen extruding system (KM 64-435)
- _____ Four Superpave gyratory compactor molds (KM64-435)
- _____ One set of calibration equipment for the gyratory compactor (including access to internal angle measuring device)
- _____ One container meeting the requirements of KM64-411 (Pycnometer for Maximum Specific Gravity)
- _____ A mechanical agitator for the Maximum Specific Gravity container
- _____ A vacuum pump or water aspirator meeting the requirements of KM64-411 (capable of evacuating air from the vacuum container (pycnometer), to a residual pressure of 30.0 mm Hg or less.
- _____ A manometer or vacuum gauge permanently mounted in-line for measuring partial vacuum of 25.0 to 30.0 mm Hg or less
- _____ One oven capable of holding two 16 in.x 17 in. sample pans and 8 molds (capable of maintaining a constant temperature up to 360⁰ F)

- _____ Five aggregate sample buckets
- _____ Four sample pans (16 in. x 17 in.)
- _____ One set of laboratory scales capable of weighing 5,000 grams to an accuracy of 1.0 grams
- _____ All sieves necessary to perform gradation test
- _____ One long handled square end shovel
- _____ One 5 gallon storage can and sufficient solvent for extraction test (if applicable)
- _____ Two dial stem thermometers
- _____ One electric hot plate or oven with an adjustable temperature control; capable of 1000 watts or greater, and accommodating a 16 in. x 17 in. sample pan
- _____ One fire extinguisher (mounted near door)
- _____ One first-aid kit
- _____ One outside sealable container for collection of waste solvent (if applicable)
- _____ Miscellaneous equipment (scoop, spatula, spoon, screen brush, gloves, rags, matches)

General Certification Statement (all plants)

I certify that all the above items have been checked and worn or damaged parts have been replaced, and all items are on the plant site and are in good working condition. I understand that I will not be permitted to produce material for the Kentucky Department of Highways **if any one item is not available** as required or is not in satisfactory working condition.

Plant Supervisor _____
(Signature) (Title)

For _____
(Company Name) (Date)

Mailing Address _____
(PO Box, Street) (City)

(State) (Zip Code)

In the event that problems arise that are not suitable to be handled by the Qualified Superpave Plant Technologist or Superintendent, list below the name(s) of the person(s) who can be contacted.

(Name)	(Name)
(Title)	(Title)
(Phone)	(Phone)