## **Crude Oil Testing Requirements**



Presented by Mark Razny Pipeline and Hazardous Materials Safety Administration







### Tenents of the HMR



Classify



**Contain** 



Communicate

Comply





U.S. Department of Transportation

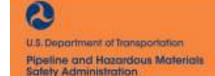
Pipeline and Hazardaus Materials Safety Administration 10/15/2015

To Protect People and the Environment From the Risks of Hazardous Materials Transportation



### Sampling and Testing Program Overview

- Under new § 173.41 shippers in all modes must develop and carry out a sampling and testing program for all unrefined petroleum-based products.
- In addition, shippers must certify that program is in place and make information available to DOT personnel upon request.
- Voluntary use of API RP 3000 may satisfy certain requirements of the new program. However, the API RP 3000 is NOT included as IBR material at this time.





### Shipper's Responsibility

# §171.2 General requirements.

(a) Each person who performs a function covered by this subchapter must perform that function in accordance with this subchapter.





### Shipper's Responsibility

(b) Each person who offers a hazardous material for transportation in commerce must comply with all applicable requirements of this subchapter, or an exemption or special permit, approval, or registration issued under this subchapter or under subchapter A of this chapter. There may be more than one offeror of a shipment of hazardous materials. Each offeror is responsible for complying with the requirements of this subchapter, or an exemption or special permit, approval, or registration issued under this subchapter or subchapter A of this chapter, with respect to any pre-transportation function that it performs or is required to perform; however, each offeror is responsible only for the specific pretransportation functions that it performs or is required to perform, and each offeror may rely on information provided by another offeror, unless that offeror knows or, a reasonable person, acting in the circumstances and exercising reasonable care, would have knowledge that the information provided by the other offeror is incorrect.

### Shipper's Responsibility

- §173.22 Shipper's responsibility.
- (a) Except as otherwise provided in this part, a person may offer a hazardous material for transportation in a packaging or container required by this part only in accordance with the following:
- (1) The person shall class and describe the hazardous material in accordance with parts 172 and 173 of this subchapter, and





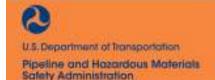
### Carrier's Responsibility

- §171.2 General requirements.
- (e) No person may offer or accept a hazardous material for transportation in commerce unless the hazardous material is properly classed, described, packaged, marked, labeled, and in condition for shipment as required or authorized by applicable requirements of this subchapter or an exemption or special permit, approval, or registration issued under this subchapter or subchapter A of this chapter.



### Carrier's Responsibility

- §171.2 General requirements.
- (f) No person may transport a hazardous material in commerce unless the hazardous material is transported in accordance with applicable requirements of this subchapter, or an exemption or special permit, approval, or registration issued under this subchapter or subchapter A of this chapter. Each carrier who transports a hazardous material in commerce may rely on information provided by the offeror of the hazardous material or a prior carrier, unless the carrier knows or, a reasonable person, acting in the circumstances and exercising reasonable care, would have knowledge that the information provided by the offeror or prior carrier is incorrect





# 173.41 Sampling and Testing Program for Unrefined Petroleum-based Products

• (a) General. Unrefined petroleum-based products offered for transportation must be properly classed and described as prescribed in § 173.22, in accordance with a sampling and testing program, which specifies at a minimum:



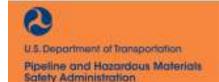


 (1) A frequency of sampling and testing that accounts for any appreciable variability of the material (e.g., history, temperature, method of extraction [including chemical use], location of extraction, time of year, length of time between shipments);





- (2) Sampling prior to the initial offering of the material for transportation and when changes that may affect the properties of the material occur (i.e., mixing of the material from multiple sources, or further processing and then subsequent transportation);
- (3) Sampling methods that ensure a representative sample of the entire mixture, as offered, is collected;
- (4) Testing methods that enable classification of the material under the HMR;





- (5) Quality control measures for sample frequencies;
- (6) Duplicate sampling methods or equivalent measures for quality assurance;





- (7) Criteria for modifying the sampling and testing program;
  and
- (8) Testing or other appropriate methods used to identify properties of the mixture relevant to packaging requirements (e.g., compatibility with packaging, identifying specific gravity for filling packages).



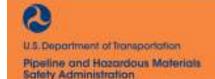
• (b) <u>Certification</u>. Each person who offers a hazardous material for transportation shall certify, as prescribed by § 172.204 of this subchapter, that the material is offered for transportation in accordance with this subchapter, including the requirements prescribed by paragraph (a) of this section.



(c) <u>Documentation</u>, <u>retention</u>, <u>review</u>, <u>and dissemination of</u> program. The sampling and testing program must be documented in writing (i.e. hardcopy or electronic file thereof) and must be retained for as long as the sampling and testing program remains in effect, or a minimum of one year. The sampling and testing program must be reviewed at least annually and revised and/or updated as necessary to reflect changed circumstances. The most recent version of the sampling and testing program must be available to the employees who are responsible for implementing it. When the sampling and testing program is updated or revised, all employees responsible for implementing it must be notified, and the most recent version must be made available.



(d) <u>Access by DOT to program documentation</u>. Each person required to develop and implement a sampling and testing program must maintain a copy of the sampling and testing program documentation (or an electronic file thereof) that is accessible at, or through, its principal place of business, and must make the documentation available upon request at a reasonable time and location to an authorized official of the Department of Transportation.





#### Hazardous Materials Info Center



- Obtain answers to HMR questions
- Request copies of Federal Register, special permits or training materials
- Report HMR violations
- Fax on Demand



