

BIOFUEL PIPELINE TRANSPORTATION QUESTIONS

NOTE: Biofuels are considered Ethanol and Biodiesel

Name of Operator:		
OP ID No.	Unit ID No.	
HQ Address:	System/Unit Name & Address:	
PHMSA Representative(s)	Phone No.:	
Date(s) of interview	Fax No.:	
Activity Record ID No.:	Emergency Phone No.:	
Persons Interviewed	Title	Phone No.

Unit Description (only portion transporting biofuel):

Summary of operator's biofuel transportation plan:

Actual dates of biofuel transport and any problems encountered during biofuel transportation:

49 CFR PART 194

Emergency Response Plans		Y	N	N/A	N/C
.7 .101 .121	Has a revised response plan been submitted?				
	Has response to biofuel vapor been addressed?				
	Date Revised RP was submitted				
.103	Has the operator's statement of significant and substantial harm been reviewed and modified, as necessary, to account for the new commodity transported?				
	Describe statement modifications				
.107	Have procedures and resources needed to respond to a worst case discharge been modified to accommodate the new commodity?				
	Briefly describe procedural changes				
	Do procedural changes described above address response to an ethanol or biodiesel fire?				
	Has the fire fighting medium changed from that presently used?				
	Are sufficient quantities of compatible fire fighting medium and equipment readily available?				
.113(b)(6)	Have response zone appendices been modified to reflect the new commodity?				
	Have changes been made to arrangements for response resources to accommodate the different needs of a biofuel spill?				
.115	Has this included addressing the need for appropriate foams to fight biofuel fires?				
	Has the training program been revised to assure that personnel engaged in response activities understand the changes needed to respond to a biofuel spill?				
.117(a)(3)	Has training been conducted?				

Comments:

49 CFR PART 195

General / Emergency Response Plans		Y	N	N/A	N/C
.4	How has the operator determined that a biofuel is chemically compatible with the pipeline and components?				
	Describe here. If study was performed obtain copy of Summary				
.5	If the pipeline is being converted from service not subject to Part 195, has a conversion plan been prepared?				

General / Emergency Response Plans		Y	N	N/A	N/C
.8	Is any portion of the pipeline is constructed of other than steel?				
	Has the Administrator been notified of the intention to transport a new hazardous liquid? (Inspector should review notification letter)				

Reporting		Y	N	N/A	N/C
.55(a)(6)	Have procedures for identifying safety-related conditions been reviewed to determine if changes are needed to reflect potentially different situations that could result in an imminent hazard?				

Comments:

Design		Y	N	N/A	N/C
.101	Has the operator determined the following:				
.116(c)	- That a metallic component other than pipe is qualified for service?				
	- That each part of valves that will be in contact with the commodity is compatible with that commodity?				
.118(c) .126	- That any other soft goods incorporated into the pipeline are suitable for service under conditions of biofuel transport? <i>Examples include control fittings, pig signaling devices, pump components, or any other fitting incorporating elastomers or other materials whose wetted surface could be affected by the product.</i>				

Construction		Y	N	N/A	N/C
.206(c)	Are new mainline valves being added or existing mainline valves being relocated due to the potentially different threat(s) of damage or pollution from biofuels?				
.262(e)	Has the pump station fire protection system been modified for biofuel emergencies?				
	Are foam systems appropriate for biofuels?				
.266	Were appropriate construction records created and maintained for a new pipeline? (Inspector should review construction documents and note pipeline modifications inconsistent with Part 195)				

Comments:

Pressure Testing		Y	N	N/A	N/C
.302	Has the pipeline been pressure tested as required?				
.304	Was the pipeline pressure tested to the appropriate pressure for the required times?				
.305	Were pipeline fittings and components pressure tested as required?				
.306	Was the appropriate test medium used?				
.310	Are pressure testing records complete?				
	Do they demonstrate compliance with requirements?				

Comments:

Comments:

Operation and Maintenance		Y	N	N/A	N/C
.402	Has the operator’s manual for operations, maintenance, and emergency procedures been reviewed and revised, as needed, to incorporate changes needed for biofuel transport?				
.402(c)(11)	Has the operator considered changes to its repair procedures, including “safe work” procedures, due to the different flammable range and volatility of biofuels vs. other products such as gasoline (e.g., procedures for a cut-out and replacement of pipe when the line was drained with biofuels in it)?				
.403(a)	Has the operator revised, as needed, its training for emergency response personnel to reflect the different conditions and response activities appropriate for biofuel emergencies?				
	Have emergency response personnel been trained in these areas?				
.403(c)	Has the operator verified that its supervisors have a thorough knowledge of any changes to the emergency response procedures for which they are responsible?				
.404	Are appropriate maps and records available?				
.406	Has the maximum operating pressure been established as required?				
.408	Is a communication system available to provide for transmission of information necessary for safe operation?				
.410(a)(1)(i)	Have line markers been replaced/modified to reflect the transport of biofuels?				
.422(a)	Have all repairs been made in a safe manner?				
.422(b)	Were all replacement pipe, fittings and valves designed and constructed per Part 195?				
.428	Is overpressure protection provided as required?				
.430	Has the operator assured that firefighting equipment at pump stations and breakout tank areas is adequate for biofuel service? (In conjunction with .262(e) in the construction section.)				
.430	Has the operator revised its breakout tank inspection procedures to address the possibility of stress corrosion cracking?				
.436	Has the operator considered whether additional security provisions are necessary?				
.438	Has no-smoking signage been reviewed to determine if additional areas must be posted due to the potential for biofuel vapors?				
.440	Has the operator’s public awareness program been revised to address transport of biofuels?				
	Has public outreach taken place?				
	Have affected municipalities been informed of potential new hazards?				
.444	Has the operator determined that biofuels will not affect the functionality and reliability of any CPM leak detection system?				

Comments:

Integrity Management		Y	N	N/A	N/C
.452(a)	Has the operator reviewed its analysis of pipeline segments that could affect high consequence areas to determine if changes are needed due to the different nature of biofuel (e.g., viscosity, miscibility in water)?				
	Has the operator analyzed potential affects on HCAs due to vapor release considering the volatility of biofuels?				

Integrity Management		Y	N	N/A	N/C
.452(e)(1)(iv)	Has the operator considered whether a change in product transported requires a change in its assessment schedule?				
.452(g)	Has the operator revised its information and risk analyses to reflect transport of biofuels?				
	Has the operator considered new potential new threats (e.g., SCC, internal corrosion), effect of biofuel on the integrity of pipeline components, and potential changes in consequences of a release (e.g., volatility, miscibility in water)?				
.452(h)	Has the operator reviewed its criteria for repairing defects identified during IM assessments to determine whether changes are needed to reflect potential effects of biofuels (e.g., requirements to address incipient SCC)?				
.452(i)	Has the operator considered the need for additional preventive and mitigative measures to address new/increased threats or consequences posed by biofuels?				
.452(i)(3)	Has the operator determined that its leak detection is adequate to protect high consequence areas considering the nature and different consequences of a biofuel release?				
.452(i)(4)	Has the operator considered whether additional EFRDs are needed to protect high consequence areas given biofuels miscibility in water?				
.452(j)	Has the operator considered whether new/additional assessment methods are needed or whether IM assessments should be conducted more frequently?				
.452(k)	Has the operator considered adding additional performance measures to its IM program to measure potential effects of biofuels?				

Comments:

Operator Qualification		Y	N	N/A	N/C
.501 & .505(a)	Has the operator identified whether transport of biofuels introduces any new covered tasks?				
.505(b)	Has the operator qualified its personnel for any new covered tasks?				
	Has the operator determined whether training or qualification for any existing covered tasks must be revised to account for knowledge unique to transporting or working with biofuels or biofuel releases?				
	Has the operator conducted necessary qualification evaluations for any existing covered tasks for which qualification criteria must change?				
.505(f)	Has the operator communicated to individuals performing covered tasks any changes introduced by transport of biofuels?				

Comments:

Cathodic Protection		Y	N	N/A	N/C
.579	Has the operator examined the corrosive effect of biofuels and taken adequate steps to mitigate internal corrosion?				
	Is the operator using inhibitors and coupons or other monitoring, as necessary, to adequately protect and evaluate the pipeline against internal corrosion?				
	Is the operator analyzing product samples to help determine the inhibitor and cleaning pig requirements?				
.579(c)	How has the operator revised its procedures for inspecting the internal surface of removed pipe to assure the capability to detect SCC?				

Comments: