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Table of Contents

Document Summary 1
Revision History 1
Table of Contents 2
1.0 SCOPE 3
2.0 APPLICABLE LAWS and INDUSTRY STANDARDS 3
 2.1 LAWS and REGULATIONS 3
 2.2 INDUSTRY STANDARDS 3
3.0 TECHNICAL REQUIREMENTS 3
4.0 STORAGE LIFE 3
5.0 QUALITY ASSURANCE PROVISIONS 4

1.0 SCOPE

This specification covers the requirements for Ethanol E-85 used as motor vehicle fuel in California.

2.0 APPLICABLE LAWS and INDUSTRY STANDARDS

Specifications, standards and regulations referenced in this document in effect on the opening of the invitation for bid, form a part of this specification.

2.1 LAWS and REGULATIONS

- 2.1.1 California Code of Regulations (CCR) Title 4, Division 9, Chapter 6, Article 5, Section 4146
- 2.1.2 CCR, Title 13, Division 3, Chapter 5, Article 3, Subarticle 1, Section 2292.4
- 2.1.3 CCR Title 17, Division 3, Chapter 5, Article 1, Subarticle 1, Section 2259

2.2 INDUSTRY STANDARDS

None listed

3.0 TECHNICAL REQUIREMENTS

- 3.1 Ethanol E-85 shall meet the requirements of California Code of Regulations (CCR) Title 4, Division 9, Chapter 6, Article 5, Section 4146: Specifications: E-85 Fuel Ethanol.
- 3.2 Ethanol E-85 shall meet the requirements of CCR, Title 13, Division 3, Chapter 5, Article 3, Subarticle 1, Section 2292.4: Specifications for E-85 Fuel Ethanol.
- 3.3 Ethanol E-85 shall meet the requirements of CCR Title 17, Division 3, Chapter 1, Subchapter 10, Article 4, Subarticle 7, et seq: Low Carbon Fuel Standard (LCFS).
- 3.4 Note: The State of California is the end user and will not assume the role of regulated party as described in the LCFS.
- 3.5 Exemptions for Ethanol E-85 used in test programs must be approved by the California Air Resources Board (CARB) and follow requirements in CCR, Title 13, Division 3, Chapter 5, Article 1, Subarticle 1, Section 2259: Exemptions for Motor Vehicle Fuels Used in Test Programs.
- 3.6 The delivered Ethanol E-85 shall be visually free of undissolved water, sediment, or suspended matter.
- 3.7 Upon request, supplier shall provide Safety Data Sheet (SDS) for Ethanol E-85 (including additives).
- 3.8 At the time of delivery, Ethanol E-85 shall comply with all current laws and regulations (federal and California).

4.0 STORAGE LIFE

Fuel should not deteriorate at a rate significantly faster than industry average expectations (with consideration for environmental conditions) nor should it form excessive gum, resins, or deposits when properly stored.

5.0 QUALITY ASSURANCE PROVISIONS

- 5.1 Upon request from the state, supplier shall provide test data showing compliance to requirements of Section 3.0.
- 5.2 Upon request from the state, supplier shall provide traceability on all deliveries (back to refinery) within five business days.
- 5.3 The state of California, at its discretion, may take a sample of the delivered fuel at the time of delivery prior to transferring fuel to a site storage tank. The sample may be tested for compliance to this specification. The state reserves the right to reject noncompliant fuel.
- 5.4 If the test analysis of sampled fuel indicates non-compliance, the supplier shall be responsible for all costs related to the test analysis, removal, and disposal of non-compliant fuel from affected site storage tanks. It shall be understood if site storage tanks are contaminated by a delivery of noncompliant fuel, the existing fuel shall be replaced.
- 5.5 The supplier shall take measures to prevent contamination of fuel by ensuring all vessels used to transport fuel are clean prior to transporting new fuel to the state.