

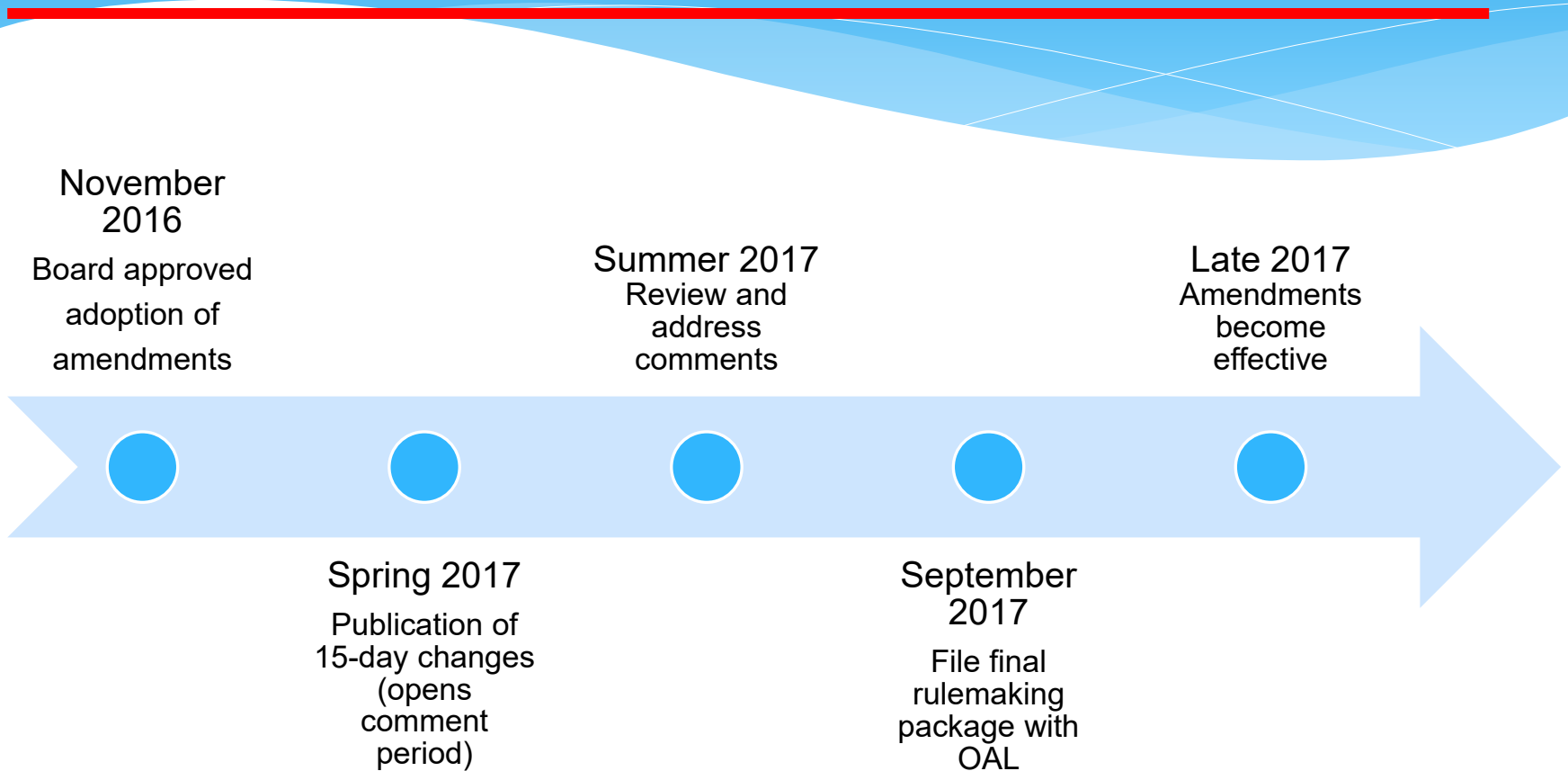
Off-Road Spark-Ignited Engine Certification Section

SSIE Evaporative Regulations

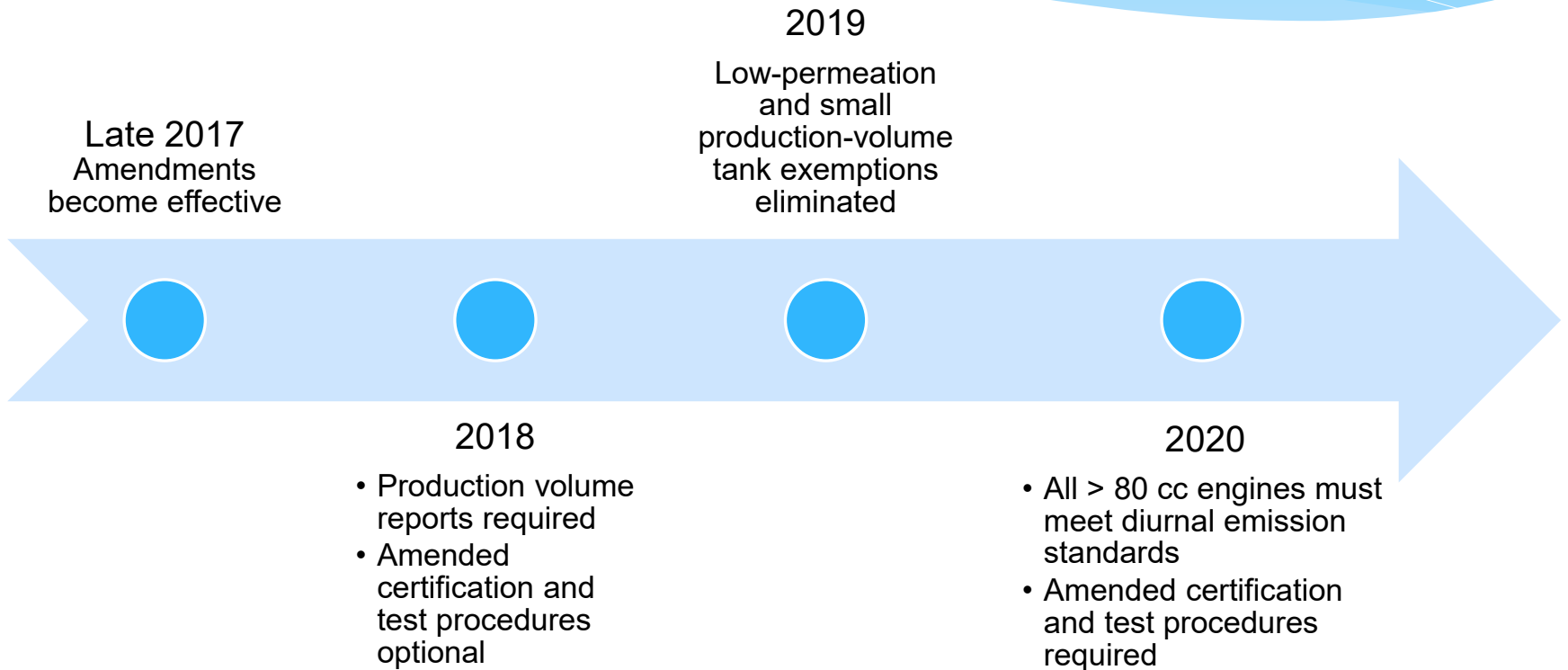
November 2016 Board Hearing

- Board adopted Resolution 16-14
 - Requires all SSIEs to meet emission standards
 - Strengthen enforcement provisions
 - Requires E10 certification fuel
 - Provide optional streamlined fuel tank test procedure
- 15-day changes published

SSIE Evaporative Regulations Regulatory Timeline



SSIE Evaporative Regulations Amendments



2020+ MY Certification Fuel Requirement

- New certification test fuel requirement (LEV III) for gasoline engines starting 2020 MY
- Applies to off-road categories for SSIE and LSIE. 40 CFR 1065.701(a) (California Version)
- Production-line testing must use same fuel as certification test fuel
- New Deterioration Factor (DF) testing required for engines certified with LEV III fuel

2020+ MY Certification Fuel Requirement (cont'd)

- Current DFs not representative of new engines
- DFs cannot be carried over to 2020+ MY engine families
- Manufacturers encouraged to coordinate with ARB and EPA to use same DF test data
- Manufacturers may utilize DF Carry-Across from worst case engine families to others
- Provide technical justification for DF carry-across