

# Off-Road Spark-Ignited Engine Certification Section

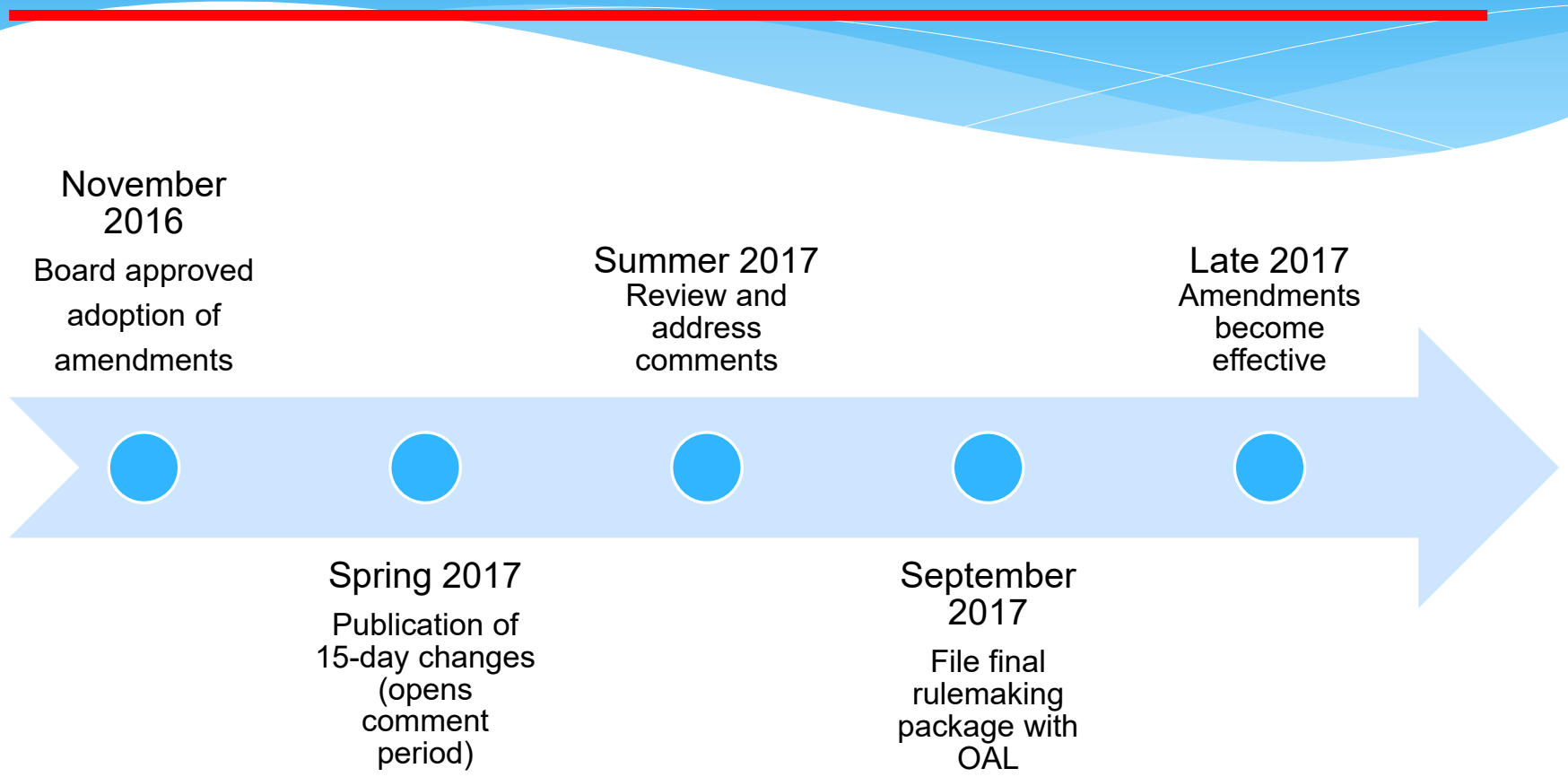
# SSIE Evaporative Regulations

## November 2016 Board Hearing

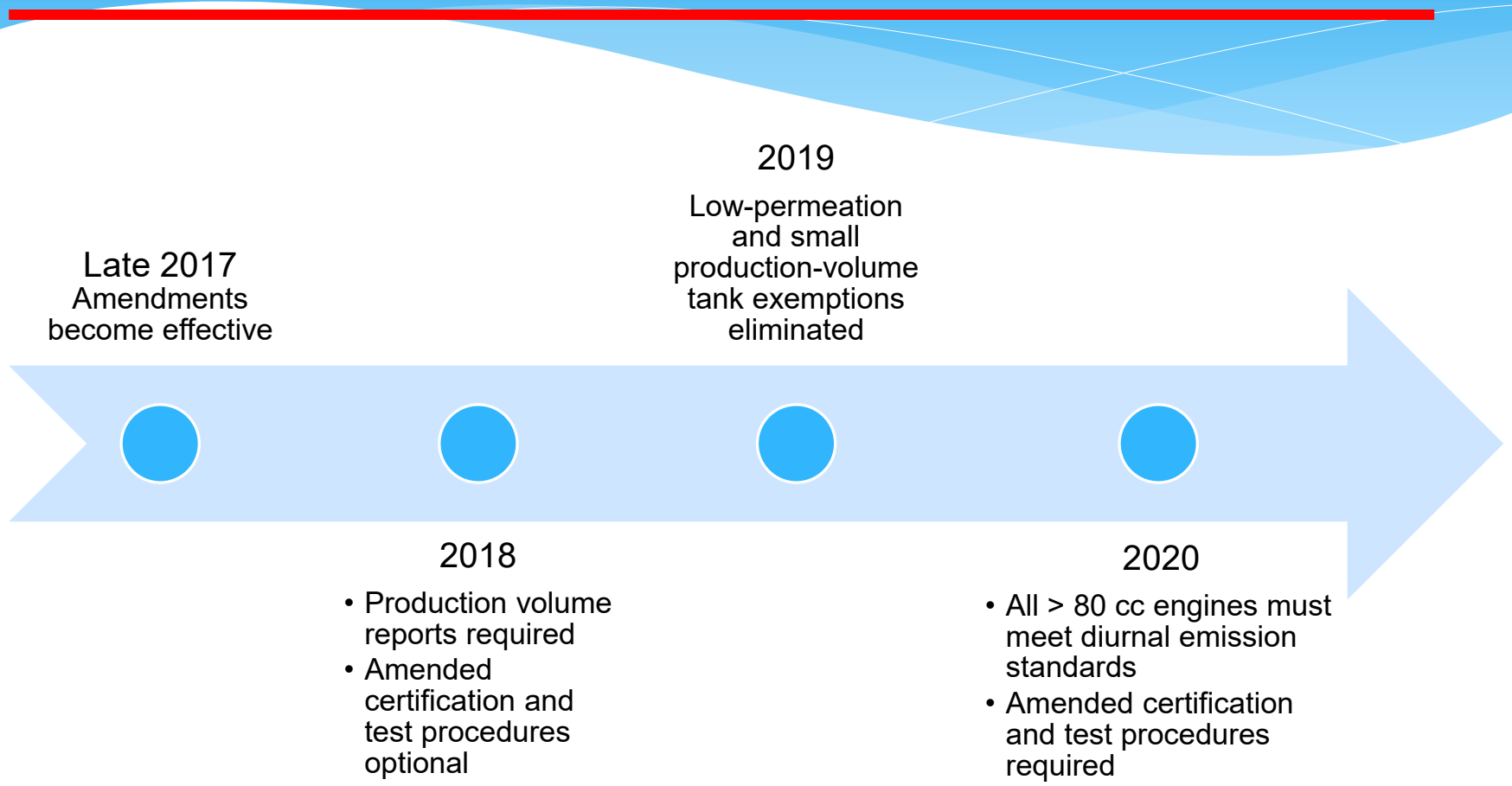
standards

- 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

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- 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)

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- 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