



San Joaquin Valley Air Pollution Control District

COMPLIANCE ASSISTANCE BULLETIN May 2006

Agricultural Internal Combustion Engines

Last year, District Rule 4702 was amended to remove the exemption for engines used in agricultural operations. Therefore, Rule 4702 now regulates air pollution emissions from agricultural engines greater than 50 horsepower in size. These engines may need to be replaced with certified engines or equipped with pollution control equipment to meet the required emission limits. Rule 4702 outlines several agricultural specific exemptions, including engines used to power or propel implements of husbandry (tractor engines, etc.), wind machines, and mobile agricultural equipment (sprayers, balers, harvest equipment, etc.). Engines included within these categories are not required to comply with Rule 4702.

Beginning **June 1, 2006**, the following new provisions of Rule 4702 take effect for new and existing agricultural engines:

- **Recordkeeping –**

A log that contains a record of the total hours of engine operation per month.

- **Monitoring Requirements –**

Engine operation and performance must be monitored as follows:

- (1) **Install and operate a nonresettable hour meter or use a District-approved alternative strategy.** District approved alternatives can include strategies such as computerized monitoring or fuel usage records. The District should be contacted to receive approval prior to using an alternative strategy.
- (2) Monitor operational characteristics of the engine as per engine manufacturer and/or emission control system supplier recommendations.
- (3) For a spark-ignited (gas) engine that has been equipped with pollution control equipment (catalytic converter, etc.), use a portable emissions analyzer to test emissions from the engine at least once every 2 years.

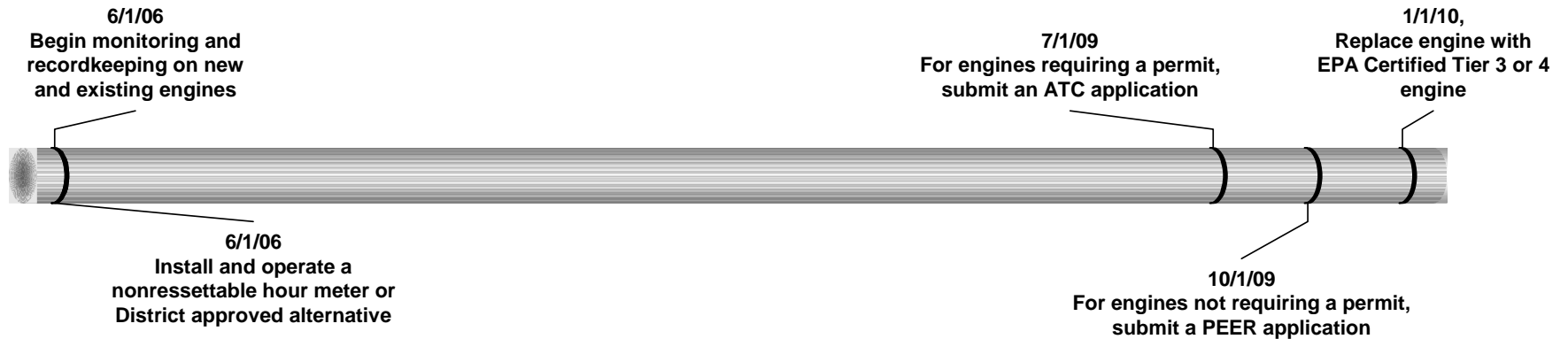
Additionally, Rule 4702 may require you to submit an Authority to Construct application, Permit-Exempt Equipment Registration application, Emission Control Plan, and/or Inspection and Monitoring Plan in upcoming months. The District will provide further Compliance Assistance Bulletins to assist you in this process. In the interim, please consult a copy of the rule at www.valleyair.org or contact a District representative if you have questions about how Rule 4702 will affect your operation specifically at one of the following regional Small Business Assistance telephone numbers:

Northern Region (Modesto)	(209) 557-6446
Central Region (Fresno)	(559) 230-5888
Southern Region (Bakersfield)	(661) 326-6969

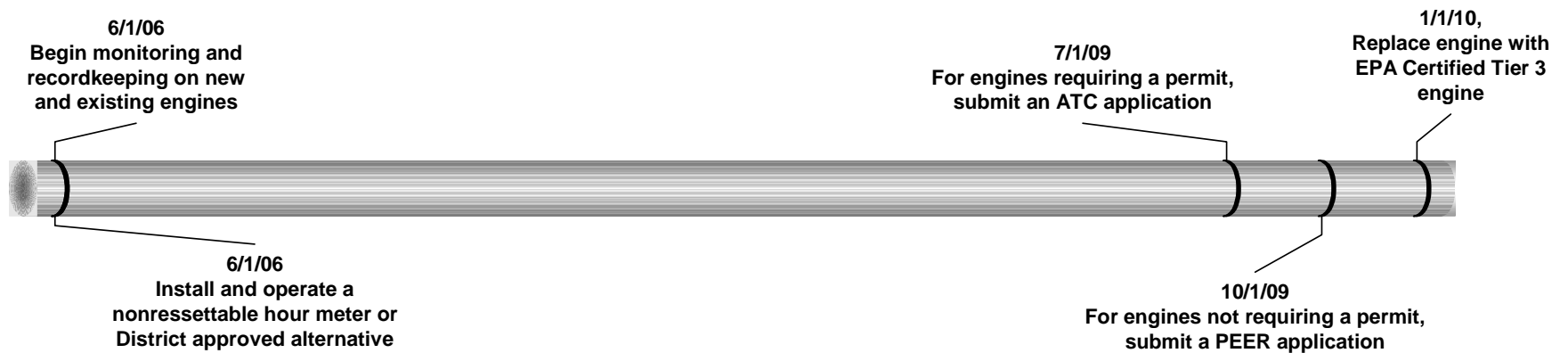
Agricultural Engine Compliance Timelines

(by engine category)

1) Non-Certified Diesel Engines (> 50 to 500 hp)



2) Non-Certified Diesel Engines (> 500 to 750 hp & < 1000 hours/year)



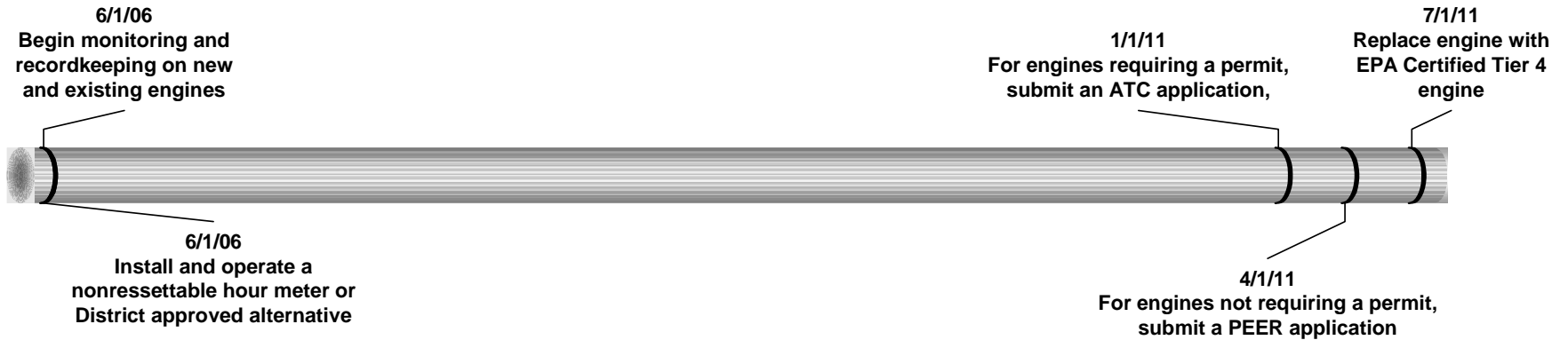
Abbreviations:

ATC = Authority to Construct
ECP = Emission Control Plan
I&M = Inspection & Monitoring
PEER = Permit-Exempt Equipment Registration

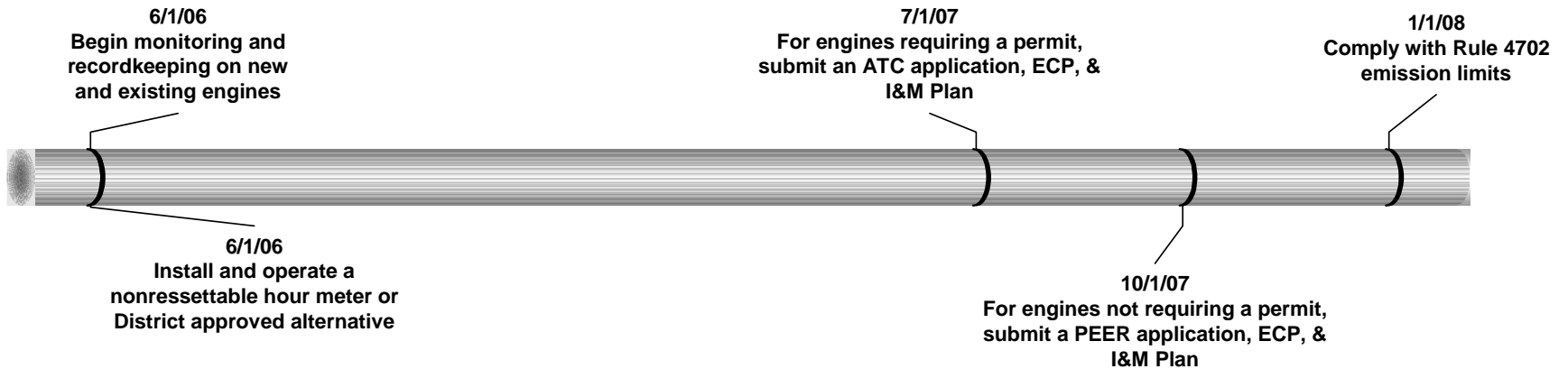
Agricultural Engine Compliance Timelines (cont.)

(by engine category)

3) Non-Certified Diesel Engines (> 750 hp & < 1000 hours/year)



4) Non-Certified Diesel Engines (> 500 hp & > 1000 hours/year)



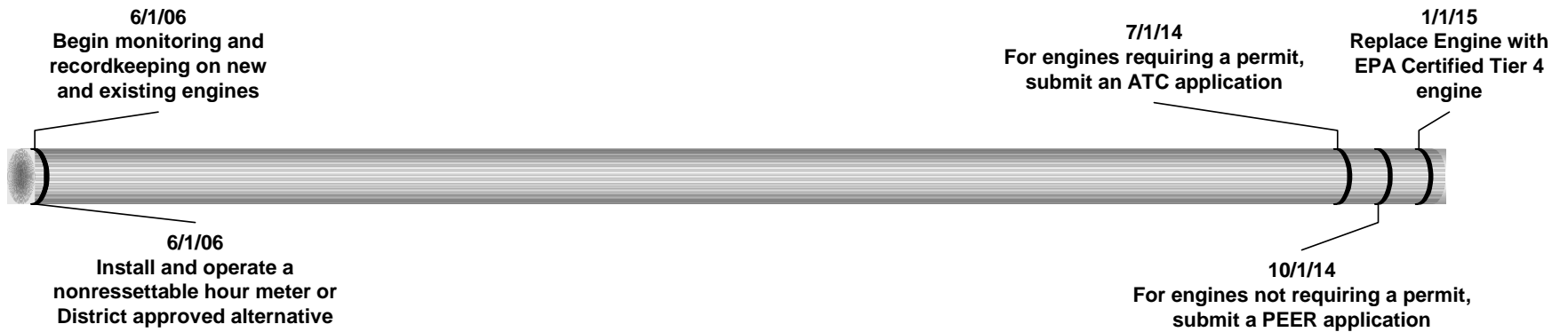
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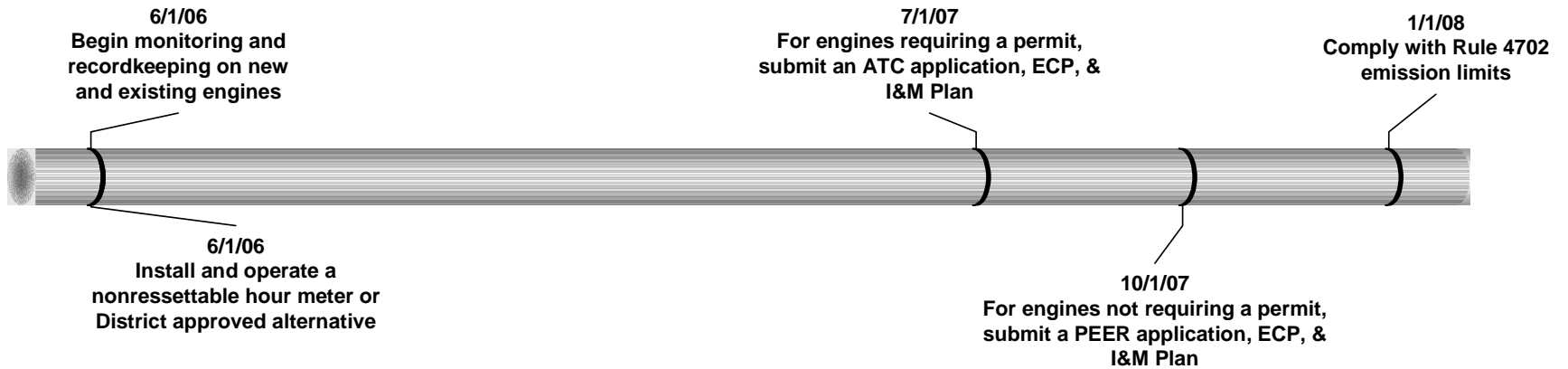
Agricultural Engine Compliance Timelines (cont.)

(by engine category)

5) EPA Certified Tier 1 or Tier 2 Diesel Engines (> 50 hp)



6) Non-Certified Spark-Ignited (Gas) Engines (> 50 hp)



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