



California Environmental Protection Agency

AIR RESOURCES BOARD

Public Hearing to Consider Minor Amendments to the Periodic Smoke Inspection Program



**October 2010
Sacramento, California**



What is the PSIP?

- Implemented by ARB in 1998
- California based fleets only - two or more diesel trucks 6,000 lbs or greater
- Perform annual smoke opacity inspections
- Excessively smoking trucks must be removed from service and repaired
- \$55 average test cost



AB 1488 Diesel Smog Check

- Implemented by BAR January 2010
- Registration based biennial program
- 1998 and newer diesel trucks 14,000 lbs. and less
- Inspection includes a visual tamper inspection, an OBD check, and a visual smoke test
- \$47 estimated test cost



PSIP and Smog Check Overlap

PSIP

(379,000 Trucks)

**Commercial Trucks
6,000+ lbs.**



Diesel Smog Check

(511,000 Trucks)

**All Trucks
6,000-14,000 lbs.
Year 1998+**



**PSIP & Smog
Check
(77,000 Trucks)
6,000-14,000 lbs.
Year 1998+**



PSIP and Smog Check Overlap

Vehicle Testing Pattern Example

Year	2010	2011	2012	2013	2014	2015
PSIP	✓	✓	✓	✓	✓	✓
SMOG CHECK	✓		✓		✓	

- Approximately 77,000 commercial fleet trucks
- Smoke testing performed in each program
- Duplicative testing cost about \$2.1M annually



Staff Recommended Solution

- Amend the PSIP regulation to allow a Smog Check inspection to substitute for PSIP

Year	2010	2011	2012	2013	2014	2015
PSIP						
SMOG CHECK						

- All diesel trucks not in Smog Check will continue in PSIP



Air Quality Assessment

- No air quality impacts expected
- 77,000 trucks affected represent 10% of all diesel trucks but account for less than 1% of PM
- Smog check visual smoke test similar to PSIP opacity smoke test



Alternatives

- Alternative 1 – Status Quo
 - Smoke test duplication remains
 - No cost savings for fleets
- Alternative 2 – Exempt 77,000 trucks from PSIP
 - Rely only on biennial smog check
 - Costs savings to fleets \$4.2 million
 - Emissions increase: 0.01 tpd or 3.65 tpy



Stakeholder Comments

- Adopt alternative 2 which eliminates 77,000 trucks from PSIP
- PSIP outreach lacking in agricultural area
- Smog Check inspection every other year is adequate



Staff Recommendation

- Allow Smog Check to substitute for PSIP inspection every other year
- Perform additional outreach focused on agricultural community about PSIP