



# Air Resources Board



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TO: ALL INTERESTED PARTIES

DATE: February 23, 2010

SUBJECT: EXCLUSION OF RETIRED LARGE SPARK IGNITION (LSI) ENGINE EQUIPMENT FROM FLEET SIZE DETERMINATIONS AND FLEET AVERAGE CALCULATIONS

This advisory provides operators of LSI engine-powered equipment (equipment) with a procedure for demonstrating that retired equipment is inoperable (removed from service). Operators adhering to this procedure will be allowed to exclude the retired equipment from the initial fleet size determination required by section 2775.1(a) of the LSI Regulation. Operators may additionally exclude the equipment from calculations performed to determine compliance with the LSI fleet average emission level (FAEL) standards (section 2775.1(a) Table 2).

It is preferred that operators intending to retire equipment they no longer use remove the equipment from the facility premises as soon as possible. However, in situations where the equipment is pending sale, scrap, or transfer, the operator shall be allowed to retain the equipment on site and periodically start the engine for lubrication/maintenance purposes provided they demonstrate equipment non-operability following the LSI Equipment Retirement Procedures below. Equipment rendered inoperable using these procedures may not remain on site for more than one year.

## LSI Equipment Retirement Procedures

- Ensure the retired piece of equipment has an operational hour meter. Record the initial hour meter reading at the time of decommission and write the date of decommission and the initial meter reading in permanent ink in a readily visible location on a non-removable surface of the piece of equipment. Additionally record the hour meter serial number, if available. Continue to record meter readings at quarterly intervals (every three months), and sign under penalty of perjury. Retain records in accordance with the LSI record keeping requirements (section 2775.2).
- Remove fuel and the starter battery from the piece of equipment. For propane-fueled LSI engines, the operator may simply remove the fuel canister.
- Remove the steering wheel from the piece of equipment.

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- Store the retired equipment at a central location, apart from the operational equipment, either within the facility or elsewhere, and employ lockout/tagout controls, such that only a limited number of people have access. At a minimum, place a lockout box on either the propane connector or the positive cable to the starter battery. Operators planning to scrap a piece of equipment need not use a lockout box, but may instead sever the positive battery cable more than six inches from the connector.
- Develop an inventory for all retired pieces of equipment at the date of first retirement and sign, under penalty of perjury, that the units are retired for the purposes of the LSI Fleet Regulation. As noted above, retired equipment may remain at the facility for up to one year. After one year, the retired equipment must be removed from the facility.

Equipment that is used fewer than 251 hours per year on a three-year rolling average is considered limited-hours-of-use (LHU) equipment. LHU equipment may remain in the inventory and continue to be excluded from FAEL standards compliance calculations until January 1, 2011. An operator that is planning to retire LHU equipment prior to January 1, 2011, need not follow the retirement procedures in this advisory. However, the operator will need to have hour meter or similar data documenting three years of limited use in support of the LHU designation. Until May 12, 2010, an operator need only provide LHU data back to May 12, 2007, the date that the LSI Regulation became law.

Should you have any questions regarding this advisory, please contact Mr. Mark Williams, Air Pollution Specialist, at (916) 327-5610 or via email at [mwilliam@arb.ca.gov](mailto:mwilliam@arb.ca.gov), or Ms. Elise Keddie, Manager, at (916) 323-8974 or via email at [ekeddie@arb.ca.gov](mailto:ekeddie@arb.ca.gov).

Sincerely,

/s/

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