§ 192.511 Test requirements for service lines.

(a) Each segment of a service line (other than plastic) must be leak teste-
ed in accordance with this section before being placed in service. If feasible,
the service line connection to the main must be included in the test; if not fea-
sible, it must be given a leakage test at the operating pressure when placed in
service.

(b) Each segment of a service line (other than plastic) intended to be op-
erated at a pressure of at least 1 p.s.i. (6.9 kPa) gage but not more than 40
p.s.i. (276 kPa) gage must be given a leak test at a pressure of not less than
50 p.s.i. (345 kPa) gage.

(c) Each segment of a service line (other than plastic) intended to be op-
erated at pressures of more than 40 p.s.i. (276 kPa) gage must be tested to
at least 90 p.s.i. (621 kPa) gage, except that each segment of a steel service
line stressed to 20 percent or more of SMYS must be tested in accordance
with § 192.507 of this subpart.

§ 192.513 Test requirements for plastic pipelines.

(a) Each segment of a plastic pipeline must be tested in accordance with this
section.

(b) The test procedure must insure discovery of all potentially hazardous
leaks in the segment being tested.

(c) The test pressure must be at least 150 percent of the maximum operating
pressure or 50 p.s.i. (345 kPa) gage, whichever is greater. However, the
maximum test pressure may not be more than three times the pressure de-
termined under § 192.121, at a tempera-
ture not less than the pipe temperature
during the test.

(d) During the test, the temperature of thermoplastic material may not be
more than 100 °F (38 °C), or the tem-
perature at which the material’s long-
term hydrostatic strength has been de-
termined under the listed specification,
whichever is greater.

§ 192.515 Environmental protection and safety requirements.

(a) In conducting tests under this
subpart, each operator shall insure
that every reasonable precaution is
taken to protect its employees and the
general public during the testing.
Whenever the hoop stress of the seg-
ment of the pipeline being tested will
exceed 50 percent of SMYS, the oper-
ator shall take all practicable steps to
keep persons not working on the test-
ning operation outside of the testing
area until the pressure is reduced to or
below the proposed maximum allow-
able operating pressure.

(b) The operator shall insure that the
test medium is disposed of in a manner
that will minimize damage to the envi-
ronment.

§ 192.517 Records.

(a) Each operator shall make, and re-
tain for the useful life of the pipeline,
a record of each test performed under
§§ 192.505 and 192.507. The record must
contain at least the following informa-
tion:

(1) The operator’s name, the name of
the operator’s employee responsible for
making the test, and the name of any
test company used.

(2) Test medium used.

(3) Test pressure.

(4) Test duration.

(5) Pressure recording charts, or
other record of pressure readings.

(6) Elevation variations, whenever
significant for the particular test.

(7) Leaks and failures noted and their
disposition.

(b) Each operator must maintain a
record of each test required by
§§ 192.509, 192.511, and 192.513 for at least
5 years.

[35 FR 13257, Aug. 19, 1970, as amended by

Subpart K—Uprating

§ 192.551 Scope.

This subpart prescribes minimum re-
quirements for increasing maximum
allowable operating pressures (uprating) for pipelines.