

Include this clause when checked on the Contract Clause Selection Worksheet, ARDEC Form 367-E.

52.246-4007

WIPE TESTING FOR RADIOACTIVE MATERIAL

OCT/2010

a. The Contractor shall have an independent testing laboratory conduct wipe testing and analysis on the deliverable end item as described in the Statement of Work entitled "Radioactive Wipe Test Procedure". The sample for wipe testing may be submitted to the independent testing laboratory or the Contractor may request that an independent testing laboratory representative perform wipe testing at the Contractor's facility as long as the wipe tests are analyzed at the independent testing laboratory.

b. Wipe Test sampling shall be conducted as follows:

(1) A wipe test shall be performed on the entire First Article sample (if required), or on the first production lot (if First Article Test is not required) per the table below.

(2) From the production lot containing the item that represents the 40 percent point of production, a random sample shall be selected for wipe testing in accordance with the table below. (For example, for a total contract quantity of 3,000 items, a randomly selected sample would be drawn per the following table from the production lot containing the 1,200th cumulative item.)

Lot Size	Sample Size
1 to 30	All
31 to 50	30
51 to 100	37
101 to 200	40
201 to 300	43
301 to 400	44
401 to 2,000	45
2,001 to 100,000	75

c. Prior to selection of the wipe test sample, the lot shall have met all other contract requirements. A sample shall not be submitted from a rejected lot unless authorized by the Contracting Officer.

d. Sample units shall be randomly selected from the entire lot by the Government Quality Assurance Representative.

e. The NRC requires radiation exposures to be as low as reasonably achievable (ALARA), see 10 CFR 20.1101. But, in any case, failure of any sample unit to meet the maximum activity level of no more than 1,000 Disintegrations Per Minute shall be cause for the Government to halt further product acceptance and for the Contractor to immediately perform a failure analysis and take corrective action. The failure analysis, in addition to isolating the root cause of the excessive activity level, shall include the Contractor's assessment with rationale as to the extent the condition is present in both in process and delivered product (i.e., identification of the suspect items). The Contractor's corrective action shall address the positive measures taken to prevent recurrence of the condition in

the future as well as corrective actions to be taken on all suspect product. Both the failure analysis and corrective action shall be subject to review and approval by the Government prior to re initiation of Government product acceptance.

f. The independent testing laboratory employed by the Contractor must be licensed by the Nuclear Regulatory Commission (NRC), or the applicable NRC Agreement State, or by the equivalent regulatory agency when the independent testing laboratory is located outside the United States. The Rock Island Arsenal (RIA) Radiation Test Lab, SMARI-ESM, Building 210, 4th Floor, Rodman Avenue, Rock Island, IL 61299-5000 is licensed by the NRC to perform leak testing services. The subcontracting under this solicitation is open to competition between Department of Defense activities and private firms. Under the authority of 10 U.S.C. 2208(j), applicable working capital funded activities are available as potential subcontractors. Working capital funded facilities with capability within the Army include RIA. The RIA Radiation Test Lab point of contact is Thomas G. Gizicki, Program Manager, DSN 793-7889, or commercial (309) 782-7889, FAX extension 5038, email: gizickit@ria.army.mil or SMARI-ES@ria.army.mil .

g. The independent testing laboratory must be able to verify the performance of the instrumentation used to analyze the wipe tests. Documentation shall be provided in accordance with the Data Item Description.