

**APPENDIX A TO SCHEDULE 1
FANNIE MAE MULTIFAMILY RADON TESTING**

Radon Reporting: Data Parameter Dictionary

Blue fields are required, and orange fields are optional.

Data Parameter Field	Data Input Method or Format	Definition/Directions	Example
Property Name	Text Box		Renting Inc.
Property Street Address	Text Box	Street number and street name	123 Main Street
City/Town	Text Box		Boston
State	Drop Down Menu	Use the 2-letter State postal abbreviation instead of the full name of the State.	MA
ZIP Code	Text Box	Only enter a 5-digit ZIP code.	02108
County	Text Box or Drop Down Menu		Suffolk
GSE	Drop Down Menu	Choose Fannie Mae or Freddie Mac.	
Freddie Mac Loan Number	9-Digit number	For Freddie Mac transactions only. Will be prompted for this only if Freddie Mac is identified as the GSE in the GSE field above.	123456789
Fannie Mae Deal ID	Up to 6 digits	For Fannie Mae transactions only. Will be prompted for this only if Fannie Mae is identified as the GSE in the GSE field above.	123456
Fannie Mae Collateral Reference Number	Up to 14 digits	For Fannie Mae transactions only. Will be prompted for this only if Fannie Mae is identified as the GSE in the GSE field above.	12345678901234
Primary Building Type	Drop Down Menu	Select one: (1) High Rise – 9 or more stories (2) Mid Rise – 4 to 8 stories (3) Garden – 1 to 3 stories (including townhouses)	
No. of Residential Buildings at Property	Number		4
Total No. of Residential Units at Property	Number	The number of total residential units at the Property must be equal to or larger than the number of ground contact residential units at the Property.	48
No. of Ground Contact Residential Units at the Property	Number	The number of ground contact residential units at the Property must not be greater than the number of total residential units at the Property.	4

<u>Data Parameter Field</u>	<u>Data Input Method or Format</u>	<u>Definition/Directions</u>	<u>Example</u>
<u>Was radon testing performed in-house or was a third-party tester used for this Testing Round?</u>	<u>Drop Down Menu</u>	Select one for this testing round: <ul style="list-style-type: none"> <u>In-house</u> <u>Third-party</u> 	
<u>Qualifications of Person Conducting Testing for this Testing Round</u>	<u>Drop Down Menu</u>	Select one for this testing round: <ol style="list-style-type: none"> <u>Environmental Professional</u> <u>Radon professional/state-certified radon professional</u> <u>Other</u> 	
<u>Radon Testing Round</u>	<u>Drop Down Menu</u>	Select one for this testing round (do not include post-mitigation testing): <ol style="list-style-type: none"> <u>Initial testing</u> <u>Follow-up testing due to elevated radon levels during initial testing</u> <u>Follow-up testing due to excessive loss of samples from initial testing round</u> <u>Follow-up testing for other reason</u> 	
<u>Total Number of Radon Tests Deployed at Residential Units at Property for this Testing Round</u>	<u>Number</u>	<u>Including QA/QC tests.</u>	<u>50</u>
<u>Were QA/QC Tests Conducted in Relationship to this Property for this Testing Round?</u>	<u>Drop Down Menu</u>	Select one: <ul style="list-style-type: none"> <u>Yes</u> <u>No</u> 	<u>Yes</u>
<u>Total No. of Ground Contact Residential Units Tested for this Testing Round</u>	<u>Number</u>		<u>4</u>
<u>No. of Ground Contact Residential Units with Elevated Radon Levels for this Testing Round</u>	<u>Number</u>	Number of ground contact residential <i>units</i> tested with results equal to or above 4.0 pCi/L for this testing round. The total number of ground contact units with elevated radon levels cannot be larger than the total number of ground contact residential units tested.	<u>1</u>
<u>Number of Ground Contact Residential Units Requiring Mitigation as a Result of Follow-Up Testing</u>	<u>Number</u>	Only for follow up testing. Number of ground contact residential <i>units</i> that must undergo mitigation pursuant to the requirements of the GSE radon testing and mitigation policy.	<u>1</u>

<u>Data Parameter Field</u>	<u>Data Input Method or Format</u>	<u>Definition/Directions</u>	<u>Example</u>
<u>No. of Upper Floor Residential Units Tested at the Property for this Testing Round</u>	<u>Number</u>		<u>8</u>
<u>No. of Upper Floor Residential Units with Elevated Radon Levels for this Testing Round</u>	<u>Number</u>	<u>Number of upper floor residential units tested with results equal to or above 4.0 pCi/L for this testing round.</u> <u>The number of upper floor units with elevated radon levels cannot be larger than the number of upper floor units tested at the Property.</u>	<u>0</u>
<u>Number of Upper Floor Residential Units Requiring Mitigation as a Result of Follow-Up Testing</u>	<u>Number</u>	<u>Only for follow up testing. Number of upper floor residential units that must undergo mitigation pursuant to the requirements of the GSE radon testing and mitigation policy.</u>	<u>1</u>
<u>No. of Residential Buildings with Elevated Radon Levels for this Testing Round</u>	<u>Number</u>	<u>Number of residential buildings that contain units tested with results equal to or above 4.0 pCi/L for this testing round.</u>	<u>1</u>
<u>No. of Lost Devices for this Testing Round</u>	<u>Number</u>	<u>Number of lost devices for this testing round (i.e., Property-wide)</u>	<u>1</u>
<u>Test Duration for this Testing Round</u>	<u>Drop Down Menu</u>	<u>Select one for this testing round:</u> <ul style="list-style-type: none"> • <u>Long-term testing devices (>90 days)</u> • <u>Short-term testing devices (2-90 days)</u> 	
<u>Device Type for this Testing Round</u>	<u>Drop Down Menu</u>	<u>Select one for this testing round:</u> <ul style="list-style-type: none"> (1) <u>Activated Charcoal (short-term testing)</u> (2) <u>Alpha-Track Detectors (long-term testing)</u> (3) <u>Continuous Radon Monitor (short-term testing or long-term testing)</u> (4) <u>Electret Ion Chambers (short-term testing or long-term testing)</u> (5) <u>Electronic Integrating Device (long-term testing)</u> (6) <u>Liquid Scintillation (short-term testing)</u> 	
<u>Total Cost of Phase I ESA</u>	<u>Number</u>	<u>Only for initial testing. Should include cost of radon testing. Do not include dollar sign or comma(s).</u>	<u>50000</u>

<u>Data Parameter Field</u>	<u>Data Input Method or Format</u>	<u>Definition/Directions</u>	<u>Example</u>
<u>Cost of Radon Testing for This Testing Round</u>	<u>Number</u>	<p><u>Total cost of this testing round (may include travel, deployment, device cost, QA/QC, shipping, lab fees, analysis and inclusion in the final Phase I ESA or preparation of the Radon Report).</u></p> <p><u>Note: Travel costs should only be included if travel costs are an additional cost required for radon testing.</u></p> <p><u>Do not include dollar sign or comma(s).</u></p>	<u>30000</u>
<u>Date Phase I ESA Engaged</u>	<u>Date</u>	<u>Date Environmental Professional was retained for Phase I</u>	<u>MM/DD/YYYY</u>
<u>Start Date When Radon Devices Placed for this Testing Round</u>	<u>Date</u>	<u>Start date when radon devices were first placed in residential units for this testing round</u>	<u>MM/DD/YYYY</u>
<u>End Date When Radon Devices Retrieved for this Testing Round</u>	<u>Date</u>	<u>End date when last of radon devices were retrieved and shipped to a radon lab for this testing round</u>	<u>MM/DD/YYYY</u>
<u>Date Radon Results Received by EP for this Testing Round</u>	<u>Date</u>	<u>Date radon results were available from the lab for this testing round</u>	<u>MM/DD/YYYY</u>
<u>Date Phase I ESA Is Finished with Radon Results Completed</u>	<u>Date</u>	<u>Only for initial testing (i.e., when "(1) Initial testing" is chosen for the "Testing Round" field)</u>	<u>MM/DD/YYYY</u>
<u>Date Completed Radon Results Provided to Lender</u>	<u>Date</u>	<u>Only for follow-up testing (i.e., when "(2) Follow-up testing due to elevated radon levels during initial testing," "(3) Follow-up testing due to excessive loss of samples from initial testing round," or "(4) Follow-up testing for other reason" is chosen for the "Testing Round" field)</u>	<u>MM/DD/YYYY</u>
<u>Radon Lab Name for this Testing Round</u>	<u>Text Box</u>	<u>Optional (in case not known by Environmental Professional, or if no lab, such as for continuous radon monitor was used)</u>	<u>Radon Laboratory</u>
<u>Were Any Radon-related Delays Encountered for this Testing Round?</u>	<u>Drop Down Menu</u>	<u>Select "Yes" if any radon-related delays were encountered for this testing round (e.g., related to radon test scheduling/planning, radon testing, lab analysis, or ESA Phase I report delivery).</u>	

<u>Data Parameter Field</u>	<u>Data Input Method or Format</u>	<u>Definition/Directions</u>	<u>Example</u>
<u>Reason for Delay for this Testing Round</u>	<u>Drop Down Menu</u>	<p><u>Required when a radon-related delay was encountered.</u></p> <p>Select one (most predominant) for this testing round:</p> <p>(1) <u>Closed-home conditions not met</u></p> <p>(2) <u>Lab delays</u></p> <p>(3) <u>Sample transportation delays</u></p> <p>(4) <u>Tampered devices</u></p> <p>(5) <u>Other (please include specific reason in Comments or Feedback field below)</u></p>	
<u>Estimated Duration of Delay for this Testing Round</u>	<u>Drop Down Menu</u>	<p><u>Required when a radon-related delay was encountered.</u></p> <p>Select one for this testing round:</p> <p>(1) <u>Less than 2 weeks</u></p> <p>(2) <u>Between 2 weeks and 4 weeks</u></p> <p>(3) <u>More than 4 weeks</u></p>	
<u>Comments or Feedback</u>	<u>Text Box</u>	<u>Help us identify what is going well and what is problematic. How can we help improve the process?</u>	