**Section 346.610 Inspection and Maintenance**

a) The licensee shall perform inspection and maintenance checks that include, at a minimum, each of the following at the frequency specified in the license or license application:

1) Operability of each aspect of the access control system required by Section 346.230 of this Part.

2) Functioning of the source position indicator required by Section 346.310(b) of this Part.

3) Operability of the radiation monitor for radioactive contamination in pool water required by Section 346.590(b) of this Part using a radiation check source, if applicable.

4) Operability of the over-pool radiation monitor at underwater irradiators as required by Section 346.290(b) of this Part.

5) Operability of the product exit monitor required by Section 346.290(a) of this Part.

6) Operability of the emergency source return control required by Section 346.310(c) of this Part.

7) Leak-tightness of systems through which pool water circulates (visual inspection).

8) Operability of heat and smoke detectors and extinguisher systems required by Section 346.270 of this Part (but without turning extinguishers on).

9) Operability of the mean of pool water replenishment required by Section 346.330(c) of this Part.

10) Operability of the indicators of high and low pool water levels required by Section 346.330(d) of this Part.

11) Operability of the intrusion alarm required by Section 346.230(i) of this Part, if applicable.

12) Functioning and wear of the system, mechanisms and cables used to raise and lower sources.

13) Condition of the barrier to prevent products from hitting the sources or source mechanism as required by Section 346.350 of this Part.

14) Amount of water added to the pool to determine if the pool is leaking.

15) Electrical wiring on required safety systems for radiation damage.

16) Pool water conductivity measurements and analysis as required by Section 346.630(b) of this Part.

b) Malfunctions and defects found during inspection and maintenance checks shall be repaired without undue delay.