

# INDOT BRIDGE INSPECTION MANUAL

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## PART 8

## ASBESTOS

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## Part 8: ABESTOS

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### 8-1.0 ASBESTOS

#### **8-1.01 Asbestos Inspections**

In accordance with Rule 10. Emission Standards for Asbestos; Demolition and Renovation Operations. 326-IAC 14-10-1 Applicability (a)...prior to the commencement of the demolition or renovation, the owner shall use an Indiana licensed asbestos inspector to inspect thoroughly the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos-containing material (ACM).

#### **8-1.01(01) Asbestos Report**

The determination of the presence of asbestos will be determined and reported in an asbestos report. The report will be created in BIAS and will be available for inclusion in a contract for work appropriately determined to include demolition of all or a portion of the structure.

The report created in BIAS will include the following items as a minimum:

- A cover sheet which will list the structure number, the inspection date, inspectors name and the inspector's license number.
- A structure data sheet which will include the date of the asbestos inspection, structure number, NBI number, and the year the structure was built. The structure data sheet will clearly state if the structure contains asbestos. The structure data sheet will clearly state if the structure has asbestos utility pipes attached.
- If suspect materials are found on the bridge, the material will be described as friable, non-friable, category 1 or category 2 nonfriable asbestos-containing material.
- Each location and different material will be located and described. The findings for each material will be recorded on the structure data sheet.
- As a minimum, a picture of the bridge profile will be included in the report
- If suspect materials are found, a picture with each suspect material will be included in the report. The sampling location will be clearly identified in the picture for each suspect material.
- The completed chain of custody form will be attached to the completed report.
- A quantity computation and location sketch will be attached for each suspect material.
- The completed report will be uploaded in BIAS.

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### 8-1.01(02) Definitions:

- (3) "Asbestos" means an asbestiform variety of the following:
  - (A) Chrysotile (serpentine).
  - (B) Crocidolite (riebeckite).
  - (C) Amosite (cummingtonite-grunerite).
  - (D) Anthophyllite.
  - (E) Tremolite.
  - (F) Actinolite.
- (5) "Asbestos-containing material" or "ACM" means asbestos or any material containing more than one percent (1%) asbestos as determined using methods specified in 40 CFR 763, Subpart E, Appendix E, Section I, Polarized Light Microscopy\*, including Category I and Category II asbestos-containing material and all friable material.
- (10) "Category I nonfriable asbestos-containing material (ACM)" means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent (1%) asbestos as determined using the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy\*.
- (11) "Category II nonfriable asbestos-containing material (ACM)" means any material, excluding Category I nonfriable ACM, containing more than one percent (1%) asbestos as determined using the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy\* that, when dry, cannot be crumbled, pulverized, or reduced to powder by either hand pressure or mechanical forces reasonably expected to act on the material.
- (14) "Demolition" means the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility.
- (18) "Friable asbestos material" means any material containing more than one percent (1%) asbestos as determined using the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy\*, that, when dry, can be crumbled, pulverized, or reduced to powder either by hand pressure or mechanical forces reasonably expected to act on the material. If the asbestos content is less than ten percent (10%) as determined by a method other than point counting by polarized light microscopy (PLM), verify the asbestos content by point counting using PLM.
- (29) "Nonfriable asbestos-containing material" means any material containing more than one percent (1%) asbestos as determined using the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy\*, that, when dry, cannot

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be crumbled, pulverized, or reduced to powder by either hand pressure or mechanical forces reasonably expected to act on the material.