

**SECTION H: GENERIC STANDARDS AND RISK ASSESSMENT PROCEDURES**

| Required Information or Component of NFA Letter   | Provide response below.  |  |
|---|--|--|
| <b>1. <u>OAC 3745-300-08 and OAC 3745-300-13(E)(6)</u> Generic Standards</b>  |  |  |
| <p><b>1.a.</b> Were only generic numerical standards in accordance with OAC 3745-300-08 used as applicable standards (i.e., direct contact soils, potable use ground water, sediments, BUSTR Tier I values, surface water)? If <b>YES</b>, reference the information which demonstrates that none of the conditions of OAC 3745-300-08(A)(3) apply to the property.</p>   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  | Document:<br>Section:<br>Page Number:  |
| <p><b>1.b.</b> Were cumulative adjustments made to the applicable standards in accordance with OAC 3745-300-08 (A)(2)(a), OAC 3745-300-08 (A)(2)(b), OAC 3745-300-08 (C)(2)(b), OAC 3745-300-08 (D)(2)(c), and OAC 3745-300-08 (E)? If <b>YES</b>, provide the location where the calculation(s) used to conduct the cumulative adjustments are contained.</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  | Document:<br>Section:<br>Page Number:  |
| <p><b>Note:</b> Lead and TPH do not require multiple chemical adjustments because of the different methodologies used to derive their standards. Generic standards for petroleum are the standards adopted under BUSTR and do not require cumulative adjustment.</p>  |  |  |
| <b>2. <u>OAC 3745-300-09</u> Risk Assessment</b>  |  |  |
| <p>Were property-specific risk assessment(s) performed? If <b>YES</b>, check the box(es) which indicate the type of property-specific risk assessment(s) conducted, and answer questions <b>3, 4</b> and/or <b>5</b> below.</p>   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  | (Check all that apply)<br><input type="checkbox"/> Human health risk assessment (complete <b>H.3</b> below)<br><input type="checkbox"/> Ecological risk assessment (complete <b>H.4</b> below)<br><input type="checkbox"/> Sediment assessment (complete <b>H.5</b> below) |
| <b>3. <u>OAC 3745-300-09(D)</u> Procedures for Human Health Risk Assessments</b>  |  |  |
| <p><b>3.a.</b> Was a human health risk assessment performed? If <b>YES</b>, answer questions <b>3.b</b> through <b>3.h</b> below.</p>   | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  |  |
| <p><b>3.b.</b> Indicate, in the response column to the right, why a property-specific human health risk assessment was performed (check all that apply).</p>  | <p><b>Mandatory Application</b> (Check as appropriate)</p> <input type="checkbox"/> Alternative land use.<br>List the land use:<br><br><input type="checkbox"/> Alternative standards [i.e., standards were not contained in the Generic Numeric Standards (GNSs) tables in OAC 3745-300-08].<br>List chemicals for which a standard was derived:<br><br><input type="checkbox"/> The exposure assumptions for the property do not conform to the exposure assumptions used in the development of the generic applicable standards.<br><br><input type="checkbox"/> Additional exposure pathways (i.e., those pathways not considered and utilized for the GNSs).<br>List the additional exposure pathways:<br><br><input type="checkbox"/> Chemicals of concern are persistent, bioaccumulative, and toxic in animal tissue.<br><input type="checkbox"/> Other, please describe:<br><br><input type="checkbox"/> <b>Elective Application</b> , please describe: |  |
| <p><b>3.c.</b> Was the <math>1 \times 10^{-4}</math> carcinogenic risk goal used to assess the carcinogenic cumulative risk to on-property receptor populations in the industrial land use category in accordance with OAC 3745-300-09 (B)(1)(b)? If <b>YES</b>, provide the location of the explanation of how the <math>1 \times 10^{-5}</math> carcinogenic risk goal was met for <b>off-property</b> populations.</p> | <input type="checkbox"/> Yes<br><input type="checkbox"/> No  | Document:<br>Section:<br>Page Number:  |

|   |   |                                       |
|---|---|---------------------------------------|
| <p><b>3.d.</b> If generic numeric standards were used in conjunction with a property-specific risk assessment, reference the demonstration that a cumulative adjustment has been made for both.</p>   | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>3.e.</b> Were the property-specific point values or probability distributions obtained from the "Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures" for each exposure pathway? If <b>NO</b>, provide the information contained in <b>3.e.i</b> and <b>3.e.ii</b>:</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No | Document:<br>Section:<br>Page Number: |
| <p><b>Note:</b> See Table 1 in "Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures" (August, 2008), for a summary of standard default exposure factors.</p>   |   |                                       |
| <p><b>3.e.i.</b> A list of the property-specific point values or probability distributions used that are different from those described in the "Support Document for the Development of Generic Numerical Standards and Risk Assessment Procedures" (Section H - Attachment I).</p>   | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>3.e.ii.</b> A description of how the property-specific data were collected and how the point values or probability distributions were derived.</p>  | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>Note:</b> The statistical methodology(ies) used to arrive at the point values/probability distributions must also be provided in the NFA letter documentation.</p>  |   |                                       |
| <p><b>3.f.</b> Indicate where the hierarchy for toxicity information used in the property specific risk assessment is provided.</p>   | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>3.g.</b> Indicate where the risk characterization (both cancer and noncancer) is provided.</p>  | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>Note:</b> The risk characterization must integrate the exposure and toxicity assessments, including the calculation of cumulative risks for multiple chemicals of concern, across multiple pathways and media, if applicable.</p>   |   |                                       |
|   |   |                                       |
| <p><b>4. <u>OAC 3745-300-09 (E)</u> Procedures for Ecological Risk Assessment</b></p>   |   |                                       |
| <p><b>4.a.</b> Was a property-specific ecological risk assessment performed in accordance with OAC 3745-300-09 (E)? If <b>NO</b>, go to question <b>4.b</b>. If <b>YES</b>, go to question <b>4.c</b>.</p>  | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |                                       |
| <p><b>4.b.</b> Indicate where the justification for not conducting an ecological risk assessment is provided.</p>   | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>4.c.</b> If a qualitative ecological risk assessment was conducted, indicate where justification is provided that a quantitative risk assessment was not necessary. See OAC 3745-300-09(E)(2)</p>   | Document:<br>Section:<br>Page Number:                       |                                       |
| <p><b>4.d.</b> Indicate where the following information concerning the ecological risk assessment is provided:</p> <ul style="list-style-type: none"> <li>• the chemical(s) of concern assessed in the ecological risk assessment;</li> <li>• the important ecological resources assessed;</li> <li>• the candidate assessment endpoints determined for the ecological risk assessment;</li> <li>• the measurement endpoints assessed in the ecological risk assessment.</li> </ul> | Document:<br>Section:<br>Page Number:                       |                                       |

4.e. Indicate the location of a summary of the results of the ecological risk assessment. Document:  
Section:  
Page Number:

5. **OAC 3745-300-09 (F) Procedures for the Assessment of Sediments**

5.a. Are sediments located on or adjacent to the voluntary property? Yes Document:  
No Section:  
Page Number:

5.b. If **YES** to 5.a, were sediments sampled directly and evaluated per OAC 3745-300-08(H)(2)? If **YES**, indicate the location of sediment concentration results. If **NO**, indicate the location of the explanation of why sediments on or adjacent to the voluntary property were not assessed (e.g., no reason to believe sediments were affected by releases of hazardous substances or petroleum, compliance with applicable standards was demonstrated in accordance with OAC 3745-300-09 (F)(5)). If **YES**, go to question 5.c. Yes Document:  
No Section:  
Page Number:

5.c. If **YES** to 5.b, have any sediment benchmarks been exceeded? If **YES**, indicate the location of the COCs \ for which benchmarks have been exceeded, go to 5.e or remediate sediments. If **NO**, sediment standards have been met. Yes  
No

**Note:** If COCs found in the sediments **do not** have a benchmark listed in the sediment benchmark documents referenced in OAC 3745-300-08(H)(2), rule requirements under OAC 3745-300-09(F)(2) must be followed, proceed to 5.e.

5.d. Does the water body containing the sediments have an aquatic life use designation of warm water habitat, exceptional warm water habitat, modified warm water habitat, limited warm water habitat or cold water habitat? If **YES**, a biological survey must be conducted, in accordance with OAC 3745-300-09(F)(2)(a). Provide the name of the individual certified by Ohio EPA who conducted the biological survey and go to question 5.f. Yes Name of certified individual:  
No Expiration date of certification (mo/day/yr):

5.e. Does the water body containing the sediments have an aquatic life use designation of limited resource or is the water body a lake, reservoir, wetland or pond? If **YES**, bioassays must be conducted in accordance with OAC 3745-300-09(F)(2)(b) - go to question 5.g.

5.f. Does the water body containing the sediments have an aquatic life use designation of limited warm water habitat or has no aquatic life use designation assigned? If **yes**, a volunteer must conduct a use attainability analysis or apply biocriteria for warm water habitat.

5.f. Indicate the location of the quantitative results of the biological survey (i.e. IBI, ICI, QHE.) Document:  
Section:  
Page Number:

5.g. Indicate the location of the results of the *Hyalella azteca* and *Chironomus tentans* bioassays. Document:  
Section:  
Page Number:

**END OF SECTION H**