

## SSVIAC and SSTL QUESTIONNAIRE (Version 4)

### FACILITY/SITE NAME AND OTHER IDENTIFIERS:

Name: 11545 Van Dyke

Address: 11545 Van Dyke, Detroit

County: Wayne

Facility/Site ID: 10000356

### SUBMITTER CONTACT INFORMATION:

Name:

Phone:

Email:

### REQUESTED REVIEW TIMEFRAME:

< 14 days ☐

14-30 days (standard) ☒

31-60 days ☐

> 60 days ☐

Justification for expediated turn arounds:

### EGLE PROJECT MANAGER AND CONTACT INFORMATION:

Name: Beth Vens

District: Warren

Phone: 586-484-1030

Email: vensb@mdhigan.gov

SIGMA Location Code: 7671 Sub-location (if available):

Is this a new request or resubmission (highlight areas that are revised/new for resubmission)?

NEW ☒

RESUBMISSION ☐

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**CSM for a Nonresidential use structure (Table 2).** Nonresidential land use not consistent with nonresidential criteria exposure assumptions will require more data, more coordination, and longer timeframe to develop SSVIAC or SSTLs. Nonresidential SSVIAC or SSTLs are developed for healthy adult workers with potential exposure during a workday and potential intermittent exposure of adults and children who are customers, patrons, or visitors to commercial or industrial establishments during a portion of the workday. Nonresidential criteria are not appropriate for establishments where children and other sensitive populations may be frequently present (e.g., schools, day-care, hospitals, campgrounds, recreational areas).

The information in this checklist pertain to the following structure(s):

Building name or address:

CSM SUPPORTS	ADDITIONAL INFO NEEDED	NONRESIDENTIAL CSM ASSESSMENT
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the use of structure inclusive of mixed residential and nonresidential? <i>If yes, the structure is required to meet residential SSVIAC or SSTLs (complete Table 1).</i>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the structure a former residential structure that is now nonresidential use?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>NA</b>	<input type="checkbox"/>	Is the structure < 50,000 ft <sup>2</sup> of continuously open space? <b>Vacant lot</b>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the structure > 50,000 ft <sup>2</sup> of continuously open space with no areas < 50,000 ft <sup>2</sup> ?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is there a basement with a competent poured concrete floor and block or poured concrete walls?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is there a slab-on-grade foundation? Note that below grade pits or elevator shafts that extend below grade do not meet the assumptions of a slab-on-grade.
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is there a crawlspace foundation present? If present, the crawlspace construction is: <input type="checkbox"/> Crawlspace with slab <input type="checkbox"/> Crawlspace with dirt floor and, the depth of construction below grade is: _____ feet below grade.
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is there a combination of foundation types? <i>If yes, the most appropriate SSVIAC or SSTLs to evaluate the VIAP risk for the structure will be provided.</i>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Is the shallowest depth to groundwater, considering seasonal variation, perched groundwater, or groundwater not in an aquifer identified below? <b>4'</b> (feet) Depth below grade to first encountered groundwater (or depth of investigation if not encountered). A specific depth that is NOT an average must be provided.

Other Comments:

**Vacant lot - Also requesting criteria for Sewer gas**

**USDA Classified Soil Type (Table 3):** If the site-specific USDA soil type is unknown or was not classified using USDA soil classification methodologies, the soil type will be based on USDA sand. If more than a single soil type is identified using appropriate USDA characterization methods, the SSVIAC or SSTLs will be based on the USDA

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soil type that results in the most restrictive criteria to assure no unacceptable risk. USCS classifications are not interchangeable for USDA classifications.		
CSM SUPPORTS	ADDITIONAL INFO NEEDED	USDA SOIL TYPE ASSESSMENT
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Has each soil horizon present from the water table to the ground surface has been characterized using approved USDA methods with laboratory sieve and hydrometer test results? <i>If yes, appropriate field notes and laboratory sieve and hydrometer test results must be provided. If no, USDA sand will be used.</i>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Is the number of borings advanced and logged over the area that the site-specific criteria are to be applied sufficient to identify, characterize, and support the variability of the various soil types and various soil horizon thicknesses for the vapor source and lateral inclusion zone? <i>If yes, a map of boring locations, cross sections, and soil boring logs must be provided. If no, USDA sand will be used.</i>
Yes <input type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Documentation supports the use of the following USDA soil type. If multiple USDA soil types are selected, the most restrictive will be used. <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Unknown  <input checked="" type="checkbox"/> Sand  <input type="checkbox"/> Loamy Sand  <input type="checkbox"/> Sandy Loam  <input type="checkbox"/> Loam  <input type="checkbox"/> Silty Loam </div> <div> <input type="checkbox"/> Sandy Clay Loam  <input type="checkbox"/> Clay Loam  <input type="checkbox"/> Silty Clay Loam  <input type="checkbox"/> Sandy Clay  <input type="checkbox"/> Silty Clay  <input type="checkbox"/> Clay </div> </div>

EGLE Review Comments (Table 4): Review for EGLE Concurrence		
CSM SUPPORTS	ADDITIONAL INFO NEEDED	FOR EGLE USE ONLY
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	EGLE Review Conducted? Date reviewed: 9/20/2021
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Photographs in photo log with date stamp showing building type (and size for non-residential requests) for structures and as-builts that document the responses on the checklist (slab-on-grade, basement, etc.) are included with the request. <i>If no supporting documentation is provided, SSVIAC or SSTLs will be developed based on the unrestricted residential input parameters.</i>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Documentation that the depth to shallowest encountered groundwater considering seasonal variation, perched groundwater, or groundwater not in an aquifer is representative of site conditions taking variability into account (monitor well logs, soil boring logs, groundwater elevation tables, etc.) is provided with the request. <i>If no supporting documentation is provided, SSVIAC or SSTLs will be developed based on shallow groundwater.</i>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	Documentation supporting USDA soil types is representative of site conditions including USDA laboratory evaluation of all relevant soil horizons and a site map with boring locations is included with the request. <i>If no supporting documentation is provided, SSVIAC or SSTLs will be developed based on USDA soil type of sand.</i>
Other Comments:		