

SCOPE OF WORK – Third Party Summary Report

1. Project Data:

- A. Title: Review Technical Memorandum; Water Quality Compliance for CLC Homes**
- B. Building: CLC Homes; B411 and B412 , VA Medical Center, Tomah, WI**
- C. Project No.: 676-324**

2. Introduction:

- A.** The Tomah, WI VAMC, Projects Section has a full and completed design of two CLC (Community Living Center) Homes that includes site detention pond for storm runoff for the new area. These storm management pond features are new to the Facility along with the implementation parameters. The objective goal is to have tertiary level of assurance that the Tomah VAMC meets the criteria of EISA 438 along with meeting the Wisconsin Department of Natural Resources (DNR) regulatory requirements as a designated authority of US EPA. Currently, the facility considers the evaluation from the Facility engineers, the Facility environmental managers; and the consultant designers.
- B.** If full agreement between these evaluators doesn't align, the VAMC can request a third party review by a subject matter expert (SME) to provide clarity and confidence in meeting the hydrologic goals and objectives of the Energy Independence and Security Act of 2007 (EISA) (42 U.S.C. 17094) Section 438 guidance as well as Executive Order 13514 on "Federal Leadership in Environmental, Energy, and Economic Performance" calling upon all federal agencies to "lead by example" in their approach to addressing stormwater runoff.

3. Proposed Scope of Work:

- A.** Tomah VAMC/Projects Section shall provide the submitted written P.E. Stamped, Technical Memorandum for the referenced project. The report provides information on the storm water requirements for the proposed referenced buildings and includes the following:
 - i. Engineering Narrative write up
 - ii. Field Drainage Area Map
 - iii. Hydrological parameters and modeling
 - iv. Geotechnical Report
 - v. Copy of WI DNR Permit
- B.** Additional source information listed below may be required:
 - i. Facility Management Technical Information Library
 - ii. EISA (2007) Section 438 Guidance

- iii. Wisconsin DNR Stormwater technical standards to comply with NR 151, Wis. Adm. Code and Wisconsin stormwater infiltration performance standards contained in ss. NR 151.12(5)(c) and NR 151.24(5), Wis. Adm. Code. Other applicable conservation practice standards that are used to size effective infiltration area for stormwater practices include:
 - 1. DNR Conservation Practice Standard 1002, Site Evaluation for Stormwater Infiltration
 - 2. DNR Conservation Practice Standard 1003, Infiltration Basin
 - 3. DNR Conservation Practice Standard 1004, Bio retention for Infiltration
 - 4. Wisconsin Department of Natural Resources Specification S100, Compost
 - iv. The above information called out is necessary to understand the context for the designs and is critical to determine whether the proposed designs meet the EISA (2007) Section 438 guidance and other federal and state regulatory criteria.
- C. Review and study is to be completed by a validated SME with technical knowledge on implementing the stormwater runoff requirements for Federal Projects under Section 438 of the Energy Independence and Security Act. This will be clearly stated and validated in the body of the report. Identifiable minimum elements as a SME include:
 - i. Time/ Experience/ Background or involvement with EPA
 - ii. Time/ Experience/ Background with EISA438
 - iii. Time / Experience/ Background with Hydrology Modeling
 - iv. Time/ Experience/ Background with Stormwater Ponds
 - v. Other credentials in that are pertinent to the field

4. Deliverable: 3RD PARTY SUMMARY REPORT

- A. Up front, an overall assessment in the Summary Report that will clearly state if the submitted design and Technical Memo **meets** or **doesn't meet** intent of EISA 438. If it a "**Doesn't Meet**" determination is made, deficiency and acceptable areas shall be clearly identified. If a "**Does Meet**" is made, the previous criteria shall be provided as well.
- B. Follow on qualifiers and recommendations to the assessment will provide further functional evaluation of the proposed design as submitted and will include identifiable deficiencies, if noted, and recommended improvements. Items that will be reviewed include:
 - i. Review of and comparison with the Storm water runoff requirements for federal development projects as required by EISA (2007) Section 438 guidance.
 - ii. Review of stormwater management facilities based on the VA's Office of Construction & Facilities Management Technical Information Library Site Development Guidance.

- iii. Review of and comparison with infiltration and flow requirements as determined by the Wisconsin DNR Stormwater Runoff Regulation
 - iv. The assessment will provide recommendations for corrections or recommended improvements where these are noted. The recommendations will be made in written form and will not undergo an additional modeling analysis for validation in meeting other state or federal requirements.
- C.** Re-engineering with regard to this project is not required. The VAMC solely seeks compliance comments and recommendations. Tomah VAMC will make all final decisions in relation to the work and will maintain control over the development and implementation of the design. By providing this 3rd party review, the evaluator is not responsible for whether the recommendations meet Wisconsin DNR stormwater management requirements. Those requirements have already been reviewed by WI DNR and approved.
- D.** VA recommended 3rd party review services:

Scott Struck, Ph.D.
Principal

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- E.** Scheduled delivery for above items is 30 Days from NTP.