

**Tier 4 Rainwater Harvesting System Design For:**

Construction Permit

Repair Permit

**Property Location:**

911 Address: \_\_\_\_\_ City: \_\_\_\_\_

Lot: \_\_\_\_\_ Section: \_\_\_\_\_ Subdivision \_\_\_\_\_

GPIN or Tax Map # \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

**Applicant or Client Mailing Address:**

Name: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Prepared By:**

Designer Name: \_\_\_\_\_ ASSE 21120: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip Code: \_\_\_\_\_

Date of Submission: \_\_\_\_\_ Date of Revision #1 \_\_\_\_\_

Designer Job #: \_\_\_\_\_ Date of Revision #2 \_\_\_\_\_

**Contents/Index of this application (.e.g., Site plan, schematic, manufacturers literature, etc.**

_____	_____
_____	_____
_____	_____
_____	_____

**Certification Statement:**

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the applicable provisions of the Rainwater Harvesting Systems Regulations (12VAC5-635) and other applicable laws, regulations, and policies implemented by the Virginia Department of Health. I further certify that I possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein.

I recommend that a construction permit      repair      permit be issued.

Designer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Information pertinent to the design of Tier 4 Rainwater Harvesting System

- Water Storage Unit Location (12VAC5-635-220) – attach design notes and site drawings as appropriate
- Materials and Equipment (12VAC5-635-230) – identify roofing materials
- Design and Installation (12VAC5-635-240) – provide system schematic
- Filtration (12VAC5-635-250) – document NSF compliance
- Disinfection (12VAC5-635-260) – document NSF compliance
- General Certification (12VAC5-635-270) – document NSF and ASSE compliance as applicable
- Performance Requirements, General (12VAC5-635-290) – document system sizing based on number of bedrooms and/or site specific criteria.
- Water Quality Standards (12VAC5-635-310) – confirm system designed to meet Tier 4 water quality standards
- Operation and Maintenance Manual (12VAC5-532-310) – an operations and maintenance manual is not required as a component of a construction application, but will be required in order to obtain an operating permit. The design of a Tier 4 rainwater harvesting system should factor in this requirement, specifically with respect to provisions for ongoing water quality sampling/analysis and continuity of water supply.