

The Water Credit Protocol

Captiva Verde Wellness Corp. — Water Credit Registry
Version as of October 21, 2026

The versioned document that defines how a Water Credit is measured, verified, issued, transferred, and retired. Every claim on this Registry traces back to a numbered clause below.

§ 01

The unit

One credit represents one hundred (100) gallons — approximately 378.5 liters — of drinking-grade water produced by a registered station, measured by a Class-A flow meter, verified by an accredited third party, and issued on the public Registry ledger.

§ 02

Measurement

Every registered station carries a Class-A flow meter with an accuracy tolerance of $\pm 0.5\%$. Readings are sampled every second, hashed at the station with the operator's private key, and posted to the Registry ingest endpoint over TLS. Readings that fail authentication or arrive out of order are rejected.

§ 03

Verification

An accredited third party — never the station operator — matches the incoming meter reading against the station telemetry stream (energy consumed, ambient humidity, machine hours). Only reading windows where all three streams agree can be countersigned. The countersignature is recorded on the ledger alongside the meter hash.

§ 04

Issuance

A credit is issued the moment both the station and verifier signatures resolve for a completed 100-gallon window. The credit inherits the station id, the verifier id, the reading window, and the meter hash — no metadata is added later, no field is mutable.

§ 05

Custody & transfer

Credits sit in the issuing account until they are transferred or retired. Transfers are single-signature (the sender) and post immediately. Retirements are terminal: a retired credit cannot be moved, sold, or resold. Every state change lands on the same append-only ledger.

§ 06

Reservations

Credits may be reserved against a specific counterparty for a specific term. Reservations do not change custody; they publish an intent to transfer within a defined window, at which point the transfer executes or the reservation expires.

§ 07

Jurisdiction

The Registry is operated by Captiva Verde Wellness Corp. under the laws of the State of Delaware, United States. Whether a Water Credit satisfies a particular regulatory, corporate, or reporting target in any other jurisdiction is the holder's determination to make.

Substantive amendments require a 30-day public comment window before they take effect. Historical versions remain readable at their versioned URL after they are superseded.