CHAPTER 62-332

WATER QUALITY ENHANCEMENT AREA CREDIT TRANSACTIONS

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12 13	62-332.100 Scope and Intent. (1) This chapter establishes the requirements for the permitting of water quality enhancement areas.	
14	and the gene	ration, valuation, award, release, and use of water quality enhancement credits providing
15	offsite compensatory treatment under Section 373.4134, Florida Statutes (F.S.) This chapter establishes	
16	additional requirements for a water quality enhancement permit under Chapter 62-330, F.A.C.	
17	Environmental Resource Permitting.	
18	(2) The enhancement credit transactions authorized in this chapter are intended to provide flexibility	
19	to governmental entities to satisfy the environmental resource permit (ERP) net improvement or	
20	performance	standard under Section 373.4131(3)(a), F.S. The requirements for credit trading to meet the
21	allocations of	an adopted Basin Management Action Plan (BMAP) or adopted Reasonable Assurance Plan
22	(RAP) are set	t forth in Chapter 62-306, F.A.C.
23	(3) This c	hapter is supplemental to and does not supersede any other requirements in rules promulgated
24	under Part IV	of Chapter 373, F.S., and Chapter 62-330, F.A.C.

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28 Rulemaking Authority 373.4134, 403.805 FS. Law Implemented 373.4134, 403.067 FS. History—

persons, or citizens pursuant to other rules or regulations.

(4) Nothing in this rule is intended to limit any actions by federal, state, or local agencies, affected

29 <u>New</u> .

62-332.200 Definitions.

- (1) "Best management practice for stormwater treatment" or "BMP" means a practice or combination of practices, based on research, field-testing, and expert review, to be the most effective and practicable, including economic and technological considerations, of improving water quality by reducing excess nutrient and other pollutant loads in water.
 - (2) "Department" means the Florida Department of Environmental Protection.
- (3) "Enhancement credit" or "credit" means the standard unit of measure that represents a quantity of pollutant removed annually and which is greater than any reductions otherwise required under any state regulatory program. Enhancement credits are generated by water quality enhancement areas pursuant to this chapter. The initial enhancement credit valuations may be estimated using a numerical model or other analytical tool approved by the Department, taking into account the projected pollutant reductions under any uncertainties between the numerical models or other analytical tools used to estimate the expected ability of the water quality enhancement area to remove pollutants. When used as part of a transaction pursuant to this chapter, enhancement credits shall be adjusted using appropriate valuation factors.
- (4) "Governmental entity" means any political subdivision of the state, including any state agency, department, county, municipality, special district, school district, utility authority, or other authority or instrumentality, agency, unit, or department thereof.
- (5) "Natural system" means a man-made or altered ecological system supporting aquatic and wetland-dependent natural resources, including fish, aquatic and wetland-dependent wildlife habitats.
- (6) "Owner" means the entity that constructs, operates, maintains, and is responsible for the long-term management of a water quality enhancement area, having the real property interest described in 4.2.3(d) of Applicant's Handbook Volume I.
- (7) "Purchaser" means the governmental entity proposing to utilize purchased enhancement credits to meet net improvement or performance standards associated with the entity's ERP.
- (8) "Water quality enhancement area" or WQEA means a natural system constructed, operated, managed, and maintained for the purpose of providing offsite regional treatment for which enhancement credits may be generated pursuant to a water quality enhancement area permit.
- 58 (9) "Water quality enhancement area permit" means an environmental resource permit issued under 59 part IV of Chapter 373, F.S., and this rule chapter for a water quality enhancement area, which authorizes

the construction, operation, management, and maintenance of a water quality enhancement area and the generation and sale of enhancement credits from the permitted WQEA in accordance with this chapter.

(10) "Water quality enhancement service area" means the limited geographic area of hydrologically connected downstream waters within which the water quality enhancement area could reasonably be expected to reduce impacts, which are causing the waterbody or water segment not to meet applicable state water quality criteria as determined by the Department.

Rulemaking Authority 373.4134 FS. Law Implemented 373.4134 FS. History–New

62-332.300 General Requirements.

- (1) An applicant for a water quality enhancement permit may use water quality improvement projects only if approved by the Department utilizing natural systems, including, but not limited to, constructed wetlands or waterbodies that reduce pollutants to a receiving waterbody or water segment, to generate enhancement credits.
- (2) Waterbodies should include a variety of emergent habitats and should not be designed to prevent fluctuating water levels.
- (a) At least 25 percent of the highwater surface area of each waterbody shall consist of a zone of fluctuation. In the event the waterbody cannot be designed to accommodate the required zone of fluctuation, this requirement shall be met by constructing additional wetlands adjacent to and hydrologically connected with the waterbody.
 - (b) Waterbodies shall have a shallow water zone inside and adjacent to the zone of fluctuation.
- (3) Enhancement credits may only be sold to, and purchased by, a governmental entity in accordance with this chapter and as authorized in an environmental resource permit.
- (4) The Purchaser's project must meet department rules for design and construction of all onsite stormwater management and provide a level of treatment necessary to meet the predevelopment condition pollutant loading on its site. Any additional treatment required by the purchaser's ERP under Chapter 62-330, F.A.C., may then be achieved through WQEA credits.
- (5) The construction, operation, management, and maintenance of a WQEA will be approved through the environmental resource permit process pursuant to Chapter 62-330, F.A.C.
- 6) Enhancement credits may be generated and sold by an owner of a WQEA only in accordance with this chapter and the conditions of the owner's permit. The Department will determine the value and

91 <u>number of enhancement credits necessary for all credit transactions.</u>

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- 92 (7) Governmental entities may purchase enhancement credits to meet net improvement or 93 performance standard permit requirements only after the governmental entity has provided reasonable 94 assurance of meeting department rules for design and construction of all onsite stormwater management. 95 Enhancement credits may not solely be used to meet design and construction requirements for onsite 96 stormwater management.
- 97 (8) The WQEA that generates enhancement credits and the purchaser's project using those credits 98 must be located within the same water quality enhancement service area.
 - (9) An enhancement credit transaction must ensure that the WQEA's credited pollutant load reduction will be achieved annually, and that no localized water quality violations will occur at the location of the purchaser's permitted discharge as a result of the trade. The credited pollutant load reduction must result in at least an equivalent water quality improvement at the purchaser's point of discharge.
 - (10) Enhancement credits are not available for use by a purchaser until the Department has authorized their use in the purchaser's environmental resource permit. Enhancement credits are expressed as an annual reduction in pollutant loading by the WQEA and cannot be rolled over or aggregated from year to year. An enhancement credit retains its environmental value only if the activities resulting in its creation continue to provide at least the same level of pollutant load reduction authorized by the Department. An enhancement credit included in an ongoing credit transaction is not available for another transaction. The Department will account for enhancement credits and transactions in a ledger.
 - (11) WQEAs may not be located within areas established for mitigation, restoration, or reclamation by state law or permit, or within areas purchased for conservation pursuant to the Florida Forever Act or the Florida Preservation 2000 Act.
- 113 (12) A governmental entity may use WQEAs for its own water quality needs. However, a 114 governmental entity may not sponsor, fund, or otherwise construct, operate, manage, or maintain a WQEA 115 for the purpose of selling enhancement credits to third parties.
- 116 (13) Reductions in pollutant loading required under any state regulatory program or required by a

 117 BMAP, adopted reasonable assurance plan, or accepted pollutant reduction plan, including agricultural

 118 and non-agricultural best management practices, are not eligible to generate enhancement credits.
- 119 (14) The issuance of a WQEA permit does not eliminate the owner's obligation to comply with all 120 requirements of Chapter 62-330, F.A.C., pertaining to adverse impacts to water quality and adjacent lands 121 or wetlands.

122 (15) The issuance of a WQEA permit does not preclude the responsibility of the owner to obtain other 123 applicable federal, state, and local permits for construction activities associated with the WQEA.

- Rulemaking Authority 373.4134, 403.805 FS. Law Implemented 373.4134, 403.067 FS. History—
- 126 <u>New .</u>

62-332.400 Enhancement Credit Generation and Valuation

- (1) The department will assign a number of enhancement credits to the proposed WQEA, or phases thereof, based upon the information submitted by the applicant, and an assessment of the proposed WQEA under the criteria of Section 373.4134, F.S., and the following criteria:
- (a) The initial valuation of enhancement credits generated by a WQEA shall be based on standard numerical models or analytical tools that establish the ability of the WQEA to remove pollutants or their constituents.
 - (b) The initial valuation of enhancement credits shall be based on conservative estimates including, but not limited to, expected hydrologic or performance variations. The initial valuation of credits shall consider the uncertainty between the numerical models or other analytical tools used to estimate the expected removal of pollutants, and the actual pollutant removal from the WQEA.
 - (c) Credits must be based on standard unit of measure of the specific pollutants removed.
- (d) Credits are based on pollutants removed after the applicant performs all required pollution control
 activities, beyond which enhancement credits may be generated.
 - (e) The initial valuation of enhancement credits will be stated in the WQEA permit.
 - (f) The number of enhancement credits necessary for a given credit transaction may be adjusted based on appropriate location adjustment factors as described in Rule 62-332.500, F.A.C.
 - (2) If the WQEA is located within a BMAP or adopted reasonable assurance plan, the applicant must use the most recent numerical models or analytical tools used for that BMAP or adopted reasonable assurance plan in the WQEA permit application, except as provided in subsection (3).
 - (3) If the WQEA is not located within a BMAP or adopted reasonable assurance plan, or the Department determines that the numerical model or analytical tool used for the applicable BMAP or adopted reasonable assurance plan is not appropriate for use in determining the pollutant loading for the proposed WQEA, the applicant must use another standard numerical model or analytical tool that has been approved by the Department for the proposed WQEA.

- (4) A WQEA permit application must identify and document the numerical model or analytical tool, 153 inputs, and results, used to establish the efficacy of the WOEA, including all information to support the 154 155 permit application required by Rule 62-330.054, F.A.C., and any other information required by this Rule relevant to support credit value. At a minimum, the application must contain: 156
 - (a) Rainfall data over the longest period of record available, either from the National Centers for Environmental Information or collected from the closest site to the proposed WQEA, preferably within the same drainage basin.
 - (b) Anticipated water quality and quantity inflows over a wide range of climatic conditions that captures interannual variation to the proposed WQEA, based on published local data collected over a period of record that most closely matches the rainfall data collected under paragraph (a) above.
 - (c) Site-specific conditions affecting the anticipated performance of the proposed WQEA, including the proposed BMP for stormwater treatment and the anticipated associated reduction rates, as demonstrated by the performance of other areas where the same BMP treatment type has been established and operating over a minimum of two consecutive wet and dry seasons.
 - (d) Data provided under this subsection must be from monitoring stations the Department deems sufficient to determine flows and local water quality conditions.
 - (e) Any other supporting information deemed necessary by the Department.

Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS. 171 History-New

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62-332.500 Service Area and Enhancement Credit Locational Valuation Factor Adjustments

- (1) The WQEA that generates enhancement credits and the purchaser's project using those credits must be located within the same water quality enhancement service area.
- (2) The extent of the water quality enhancement service area will be determined by modeling provided by the owner outlining the area within which the WQEA could reasonably be expected to reduce the impacts causing the waterbody or water segment not to meet applicable state water quality criteria, including the impacts associated with credit transactions.
- (a) Numerical models or other analytical tools shall be reviewed and approved by the department at the time of application.
 - (b) Water Quality Enhancement Service Areas may overlap, and more than one water quality

enhancement service area may be approved within a regional watershed.

- (3) The purchaser's project must be hydrologically connected and downstream of the WQEA from which the enhancement credits are purchased. If the requirements in rule 62-332.300, F.A.C., are met, the following projects or activities shall be eligible to use a WQEA, notwithstanding the fact that they are not completely located within the Water Quality Enhancement Service Area, provided a demonstration is provided to the Department that the purchaser's project will not contribute to a localized exceedance of water quality standards within the watershed or downstream waterbody of concern:
 - (a) Projects with impacts partially located within the Water Quality Enhancement Service Area;
- (b) Linear projects, such as roadways, transmission lines, distribution lines, pipelines, or railways;
 - (c) Projects with total impacts of less than one-half acre in size; or
- (d) Projects that are hydrologically upstream of a WQEA that is servicing an OFW designated as an
 aquatic preserve.
 - (4) The Department will adjust the amount of credits needed for the transaction by the applicable locational valuation factor (LVF) to provide reasonable assurance that the WQEA's credited pollutant load reduction will be achieved annually and that no localized water quality violations will occur at the location of the purchaser's permitted discharge as a result of the transaction. This credited pollutant load reduction must result in at least an equivalent water quality improvement at the purchaser's point of discharge.
- 202 (a) The location factor will be based on numerical models or other analytical tools done by the WQEA at the time of the WQEA's permit that account for uptake of the pollutants over a distance.
 - (b) The number of credits needed for a proposed transaction must be calculated as follows: Number of Credits Needed = (Number of standard units of measure for pollutant removed annually required for treatment) x LVF.
 - (c) This formula may not be used to reduce the number of credits needed below the quantity of pollutant removed annually required for treatment.
 - (d) The Department will apply LVFs at the time of permitting a governmental entity project seeking enhancement credits from a WQEA owner to establish the final value of those credits and the number of credits needed for the credit transaction for use in achieving net improvement. Final credit values will be reflected in the governmental entity's environmental resource permit(s), and the enhancement credit tracking ledger.

215 Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS.

216 *History–New* .

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62-332.600 Enhancement Credit Transactions and Credit Use.

- (1) Purchase by a governmental entity of enhancement credits is voluntary.
- 220 (2) Enhancement credits may be used only to satisfy the environmental resource permit net
- 221 improvement or performance standard under Section 373.4131(3)(a), F.S, or BMAP, or adopted
- 222 <u>reasonable assurance plan allocations within the water quality enhancement service area.</u>
 - (3) Credits shall be withdrawn from the WQEA as a minor modification of the WQEA permit.
- 224 (4) The Department will verify whether the WQEA owner has credits available in accordance with this chapter.
- 226 (5) The Department will deny an enhancement credit transaction unless the WQEA owner and
- 227 <u>purchaser have provided reasonable assurance that the transaction will not cause or contribute to a</u>
- violation of state water quality standards, even if the project is within the water quality enhancement
- 229 <u>service area.</u>
- 230 (6) The Department may authorize use of enhancement credits by a purchaser only after the
- Department verifies the number of enhancement credits, that the use of credits is appropriate for the
- 232 proposed project.
- 233 (7) The Department will verify the final value of the enhancement credits for the purchaser's use as
- 234 described in Rule 62-332.500, F.A.C.
- 235 (a) The purchaser's project, discharge point(s), and discharge characterization (including, but not
- 236 <u>limited to, pollutant concentration and flow) must be provided to the Department before the credit</u>
- 237 transaction will be approved.
- (b) Credit transactions must be reflected in the environmental resource permit(s) of the purchaser.
- (c) Modification of the purchaser's project, discharge point(s), or discharge characterization may result
- in the Department's revaluation of the credit transaction and modification of the purchaser's permit(s).
- 241 (8) The WQEA owner must submit to the Department, as part of its permit application or any
- 242 modification or renewal application, information on the terms of credit transactions as described in Rule
- 243 62-332.800, F.A.C.
- 244 (9) An enhancement credit transaction will become effective only after the transaction is authorized
- by permit in accordance with this chapter.

- 246 (10) If the purchaser proposes to change the source of credits, it must immediately notify the
 247 Department of its intention in writing, including a letter of commitment from the new credit source for the
 248 number of enhancement credits necessary, and that the new credit source has those credits available in
 249 accordance with a WQEA permit. The purchaser must also include documentation that it no longer has
 250 any outstanding contractual or other binding obligations to the original credit seller. The new credit
 251 transaction is not final until the Department authorizes it in accordance with this chapter and Chapter 62252 330, F.A.C.
- 253 (11) A governmental entity may use WQEA for its own water quality needs. However, a governmental
 254 entity may not sponsor, fund, or otherwise construct, operate, manage, or maintain a WQEA for the
 255 purpose of selling enhancement credits to third parties.
 - (12) Enhancement credits may not be used by point source dischargers to satisfy regulatory requirements other than those necessary to obtain an environmental resource permit for construction and operation of a surface water management system.
 - (13) Some Enhancement Credits may be released for use prior to meeting all of the performance criteria specified in the WQEA Permit. The initial withdrawal of a credit, or any portion thereof, begins the timeframe to reach final success as assessed using Rule 62-332.700, F.A.C. The complete release of all enhancement credits awarded will only occur after the WQEA meets all of the success criteria specified in the permit. The number of credits and schedule for release shall be determined based upon the performance criteria for the WQEA, the success criteria for each activity, and consideration of the factors listed in Section 373.4136(5), F.S. However, no credits shall be released until the requirements of Rules 62-342.650 and 62.342.700, F.A.C., are met.

266 <u>62-342.650</u> and 62.342.700, F.A.C., are met.

268 Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS.

269 <u>History–New</u> .

62-332.700 Enhancement Credit Monitoring and Continuing Credit Verification.

(1) Enhancement credits shall be directly measured by the WQEA owner in accordance with a Department-approved monitoring plan. An applicant for a WQEA permit must propose a performance and success criteria monitoring and verification plan in its application, including protocols to be implemented once the WQEA is permitted and operational. The plan must be sufficient to demonstrate that the WQEA meets defined performance or success criteria for the pollutant reductions on which

- 277 enhancement credits are based.
- 278 (2) The monitoring and verification protocols must be able to measure the difference in water quality
- 279 and flows before water enters the WQEA and is discharged from the WQEA in order to accurately
- demonstrate the WQEA's pollutant reductions and ensure that all credited pollutant reductions have been
- 281 <u>achieved. At a minimum, monitoring must include flow and concentration data into and out of the WQEA</u>
- 282 <u>measured every two weeks.</u>
- 283 (3) The WQEA owner must implement the approved monitoring and verification plan in perpetuity.

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- 285 Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS.
- 286 <u>History–New</u>

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- 62-332.800 Enhancement Credit Tracking.
- 289 (1) The Department will track all credit transactions in a ledger.
- 290 (2) The withdrawal of WQEA credits from a WQEA shall be accomplished as a minor modification
- of the WQEA permit. A processing fee shall not be required by the department or water management
- 292 district for this minor modification.
- 293 (3) Information tracked related to credit transactions must include at a minimum:
- 294 (a) The names and street addresses of all parties, locations of permitted activities and discharges,
- 295 receiving water, receiving water body identification units, and pollutants involved.
- 296 (b) The amount and type of credits generated.
- 297 (c) A description of the actions that generated credits.
- 298 (d) The date credits become available for purchase.
- (e) The amount of credits sold.
- 300 (f) Permit number of purchaser(s).
- 301 (g) Number of credits still available.
- 302 (h) The date of the most recent inspection by the Department or a water management district to verify
- proper implementation of the activities generating credits.

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- 305 Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS.
- 306 History–New

62-332.900 Compliance and Enforcement.

- (1) Annually, the WQEA owner must demonstrate the achievement of pollutant reductions at least equal to the value of the credits sold through effective operation and maintenance in perpetuity.
- (a) The owner must designate a responsible long-term maintenance entity supported by an endowment or other long-term financial assurance mechanism sufficient for perpetual operation and maintenance as described in Rule 62-342.700, F.A.C., mitigation bank financial responsibility, and any subsequent amendments, wherein the term "banker" or "mitigation bank" will refer to the "owner" or "Water Quality Enhancement Area" respectively. The WQEA owner must provide documentation of the financial assurance instrument to the Department.
- (b) The WQEA owner must also demonstrate to the Department sufficient legal or equitable interest in property to ensure access and perpetual protection and management of the land within or associated with the WQEA including, as necessary, permanent preservation of the WQEA pursuant to the requirements of Section 704.06, F.S.
- (2) The WQEA owner must certify and document quarterly to the Department that the control devices and systems, technologies, best management practices, or other activities on which the enhancement credits are based continue to be fully implemented and properly operated and maintained, and that pollutant load reductions continue to be achieved at the authorized level.
- (3) The owner must report annually to the Department the pollutant loads of their targeted pollutant in the standard units of measure, as indicated within Rule 62-302.530, F.A.C., flowing into and out of the WQEA on a monthly basis to demonstrate fulfillment of the pollutant load reduction resulting in credits.
- (4) The WQEA owner must maintain records demonstrating that the control devices and systems, technologies, best management practices, land use changes, or other management actions upon which credits are based continue to be fully implemented and properly operated and maintained in perpetuity. The owner must immediately notify the Department in writing of any changes to the size, nature, function, or treatment capabilities of the WQEA. Any such changes may result in reopening and revising the WQEA permit and the permits of any governmental entity credit purchasers to ensure credit transactions maintain at least their original approved value. The WQEA owner must allow the Department, water management district, or Department's agent, to inspect the records and the control devices and systems, technologies, best management practices, land use changes, or other management actions during regular business hours.
- (5) The WQEA owner is responsible for achieving the pollutant load reductions on which the credits are based, and complying with the terms of its permit, including any associated financial assurance

instruments, in perpetuity. In the event the Department determines the purchased credits are invalid because the WQEA owner has failed to comply with its monitoring and verification plan, has failed to demonstrate that the enhancement area is meeting defined performance or success criteria for the reduction of pollutants on which credits are based, or otherwise has failed to meet the conditions of its permit, including financial assurances, the Department may revoke the authorization to sell enhancement credits until such time as the WQEA owner returns to compliance and credits have been reevaluated.

(6) The purchaser of enhancement credits is responsible for complying with all terms of the enhancement credit transaction and the environmental resource permit associated with its project. If the purchaser otherwise is meeting applicable regulatory requirements, the revocation of authorization of sale of enhancement credits in accordance with subsection (5) does not itself constitute a permit violation.

<u>Rulemaking Authority 373.4134, 403.067(9), 403.805 FS. Law Implemented 373.4134, 403.067 FS.</u>

<u>History–New</u>

62-332.920 Surrender, Transfer, or Modification of Water Quality Enhancement Area Permits.

- (1) If no credits have been used or sold, an owner may apply to surrender a WQEA permit, or permitted phase thereof, by submitting a written request to the Department. The written request must identify which phase will be surrendered, indicate the extent of work performed in that phase, and describe the conservation property interest encumbering that phase. The Department shall authorize release from a permit when no credits have been used, and relinquishment of the phase would not compromise the ecological value of the remaining portions of the permitted area. A surrender and release of a geographic phase shall be made by modification of the permit.
- (2) If a property interest has been conveyed as provided in Rule 62-342.650, F.A.C., as provided above, the Department shall convey the property interest back to the grantor of that interest upon surrender.
- (3) If a surface water management system has been constructed or altered within the permitted area, the owner shall obtain any permits required under Part IV of Chapter 373, F.S., and Chapter 62-330, F.A.C., to operate or abandon the surface water management system. Abandonment performed in accordance with this section is subject to the provisions of Section 373.426, F.S.
- (4) To transfer a permit, the owner shall meet the requirements of Chapter 62-330, F.A.C., and the entity to whom the permit will be transferred must provide reasonable assurances that it can meet the requirements of the permit. If the transfer to the Department is proposed, the current owner shall provide

an updated cost estimate and adjust the final responsibility mechanism, as appropriate, prior to transfer of
 the permit.

