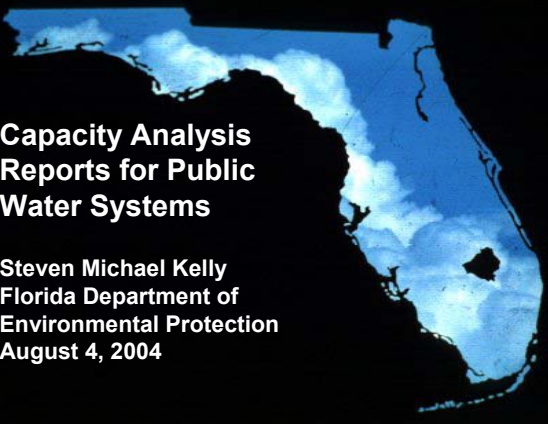


Capacity Analysis Reports for Public Water Systems

Steven Michael Kelly
Florida Department of Environmental Protection
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Capacity Analysis Reports (CAR) Presentation Summary

- ◆ Applicability
- ◆ Schedule for Submittal
- ◆ Required CAR Contents
- ◆ Where to Submit Completed Reports
- ◆ Additional Information

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History of Capacity Analysis Reports

- ◆ Required for domestic wastewater treatment facilities since January 1991.
- ◆ After significant revisions to Chapter 62-555 in August 2003, required for certain public water systems.



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Why are CARs now required for certain public water systems?

- ◆ To ensure timely planning, design, and construction of necessary public water system source, treatment, and storage facilities.



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Who is required to submit a CAR?

- ◆ Currently, Rule 62-555.348 "Planning for Expansion of Public Water System Source, Treatment, or Storage Facilities" applies to all community water systems (CWSs) that serve, or are designed to serve, 350 or more persons or 150 service connections.
- ◆ However, the Department intends to amend Rule 62-555.348 to only require capacity analysis reports for CWSs serving or designed to serve more than 3,300 persons.

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Who is required to submit a CAR? (Continued)

- ◆ The amendments to Rule 62-555.348 increasing the CAR requirement to greater than 3,300 should be adopted by the end of this year.
- ◆ In the interim period, CWS serving >350 persons or 150 connections to <3,300 persons, do not have to comply with Rule 62-555.348 unless they are notified by the Department.

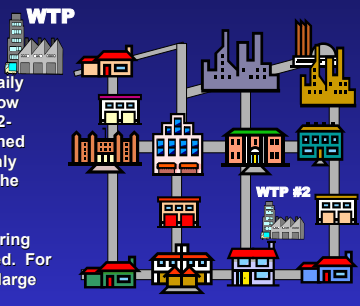
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Initial CAR Required Submittal Dates

- ◆ An initial CAR must be submitted to the Department within **six months** after the first month in which the total ***maximum-day of finished water produced*** by all the PWS's treatment plant(s) **exceeds 75 percent** of the ***total permitted maximum-day operating capacity*** of the plant(s).
- ◆ See Rule 62-555.348(3)(a), F.A.C. for complete details.

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Maximum-day of finished water produced

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- ◆ The highest single daily value (including fire flow demand) for a given 12-month period determined from the PWS's monthly operating reports for the entire system.
 - ◆ Abnormal, nonrecurring events can be excluded. For example, a break of a large transmission main.

How do PWS's determine the total permitted maximum-day operating capacity for their treatment plant(s)?

- ◆ Use the permitted maximum-day operating capacity for each water treatment plant as specified in the latest DEP construction permit.
 - Refer to Rule 62-555.320(6) (Effective August 2003)
- ◆ In cases where a operating capacity does not exist, the appropriate DEP District Office or Approved County Health Department will establish the operating capacity.

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Re-rating Permitted Operating Capacity

- ◆ PWSs can apply for a re-rating (i.e increase) of the permitted operating capacity of a drinking water treatment plant(s).
- ◆ The procedures for applying for a re-rating are outlined in Rule 62-555.528, F.A.C.
- ◆ The application for re-rating must be signed, sealed and dated by a P.E. licensed in Florida.

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Submittal of Updated CAR

- ◆ The submittal of an updated CAR is based on the results of your initial or latest updated report.
- ◆ See Rule 62-555.348(3)(b), F.A.C. for complete details.
- ◆ PWSs will not be required to submit more than one CAR annually.



Cypress tanks full of water being shipped to Key West in 1907

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Required CAR Contents

- ◆ Rule 62-555.348(4), F.A.C. lists the information that must be included in CARs.
- ◆ The Department has also produced "*Guidelines for Preparation of Source/Treatment/Storage Capacity Analysis Reports for Public Water Systems*" to supplement the rule requirements. The document is available on-line at:
 - <http://www.dep.state.fl.us/water/drinkingwater/index.htm>
- ◆ *CARs must be signed, sealed, and dated by a professional engineer(s) licensed in Florida.

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Submit CAR to your appropriate DEP District Office or Approved County Health Department (ACHD)

- ◆ For a list of DEP District Offices visit :
 - www.dep.state.fl.us/secretary/dist/
- ◆ For a list of ACHD Offices visit:
 - www.dep.state.fl.us/water/drinkingwater/organize.htm

What should CWSs serving >3,300 do to comply with the CAR requirement?

- ◆ Routinely compare the total net quantity of finished water produced each day with the total permitted maximum-day operating capacity of their treatment plant(s).
- ◆ Submit a CAR when when the total maximum-day quantity of finished water produced by all treatment plants connected to the system exceeds 75% of the total permitted maximum-day operating capacity of the plants.

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Additional Information

- ◆ View or download electronic copy of latest version of Chapter 62-555 "Permitting Construction, Operation, and Maintenance of Public Water Systems" at...
 - <http://www.dep.state.fl.us/legal/legaldocuments/rules/rulelistnum.htm>
- ◆ Direct questions about FAC Chapter 62-555 and CAR to...
 - Your local DEP District Office/ACHD

OR

- John Sowerby , DEP Drinking Water Program, Tallahassee
- (850) 245-8633 or by email at John.R.Sowerby@dep.state.fl.us

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