Development: Existing CD vs. New CD

TEAM has changed slightly!

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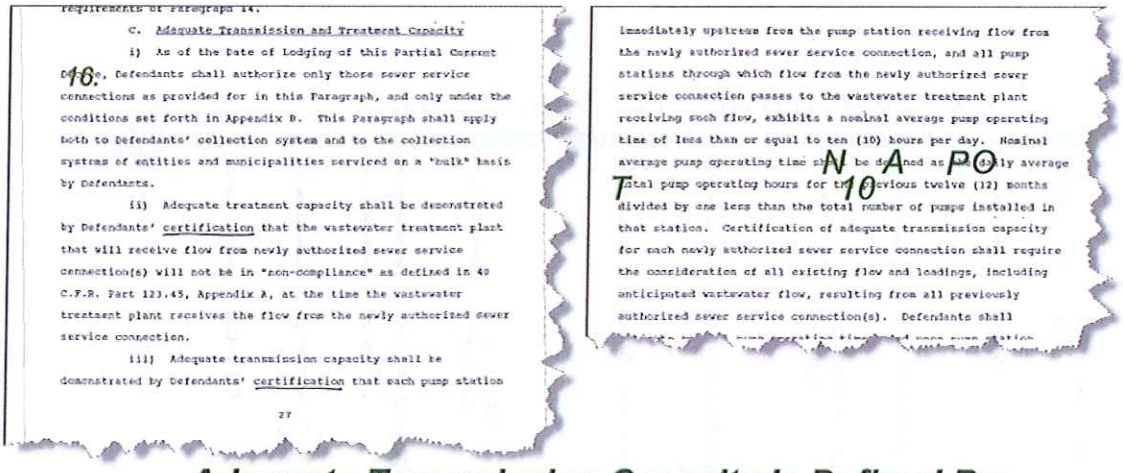
Development: Existing CD vs. New CD

"Adequate Transmission Capacity" does NOT change!



requirements of Paragraph 14.

C. Adequate Transmission and Treatment Capacity

i) As of the Date of Lodging of this Partial Consent Decree, Defendants shall authorize only those sewer service connections as provided for in this Paragraph, and only under the conditions set forth in Appendix D. This Paragraph shall apply both to Defendants' collection system and to the collection systems of entities and municipalities serviced on a "bulk" basis by Defendants.

ii) Adequate treatment capacity shall be demonstrated by Defendants' certification that the wastewater treatment plant that will receive flow from newly authorized sewer service connection(s) will not be in "non-compliance" as defined in 40 C.F.R. Part 123.45, Appendix A, at the time the wastewater treatment plant receives the flow from the newly authorized sewer service connection.

iii) Adequate transmission capacity shall be demonstrated by Defendants' certification that each pump station

27

immediately upstream from the pump station receiving flow from the newly authorized sewer service connection, and all pump stations through which flow from the newly authorized sewer service connection passes to the wastewater treatment plant receiving such flow, exhibits a nominal average pump operating time of less than or equal to ten (10) hours per day. Nominal average pump operating time shall be determined as the daily average total pump operating hours for the previous twelve (12) months divided by one less than the total number of pumps installed in that station. Certification of adequate transmission capacity for each newly authorized sewer service connection shall require the consideration of all existing flow and loadings, including anticipated wastewater flow, resulting from all previously authorized sewer service connection(s). Defendants shall

16.

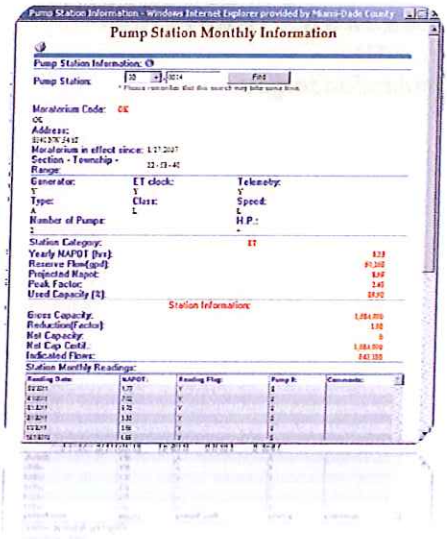
$$T_{NAPO} \leq 10$$

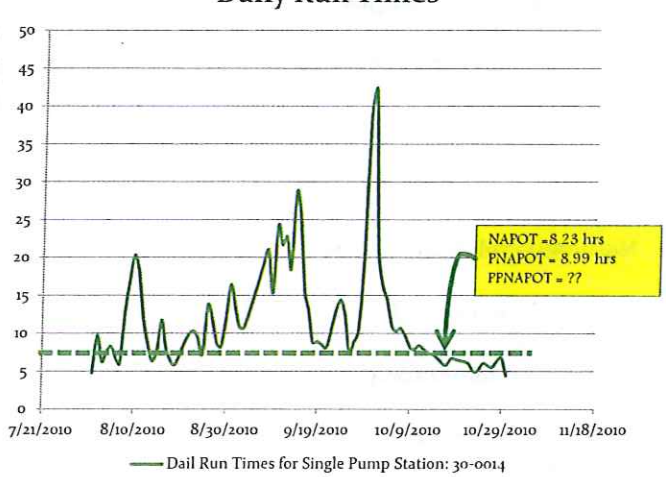
Adequate Transmission Capacity Is Defined By:
Proposed Projected NAPOT ≤ 10 Hrs!

PNAPOT > 10 = Moratorium

Development: Existing CD vs. New CD

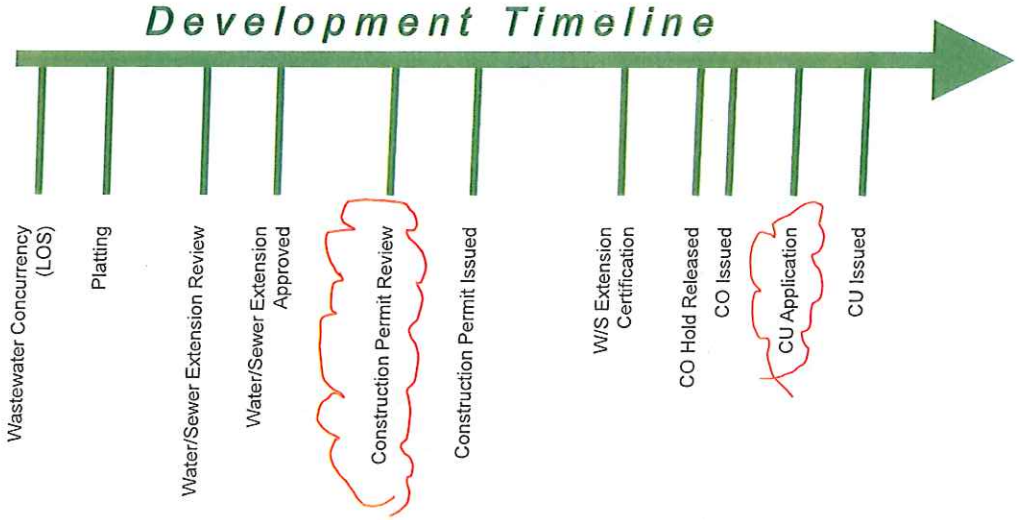
How Peak Flows are handled changes!





Development: Existing CD vs. New CD

When flow is Reserved (Allocated) does NOT change!



Development: Existing CD vs. New CD

Pre-Design Resources have NOT changed!

- **Pump Station Status Request** – Submit (via email) a Pump Station Status Request and we will check status**.

  ***To be upgraded to a Web-Based application.*

- **Letter of Interpretation** – determine if use can be approved *before* investing, purchasing, renting, leasing, design, etc.

- **Reserve Flow** – good for 90 days – can be recertified.

- **Development Pre-submittal meeting** – get the facts before committing.

- **Rework meeting** – helps design professional understand the pending disapproval comments before resubmitting plans.

Development: Existing CD vs. New CD

HAMA Moratorium & FILL-IN are NEW!

- *HAMA Moratorium*
- *Fill-IN Allocations*

Other Changes:

- *Municipal Utilities:*
  - *Electronic Atlas*
  - *Electronic As-Built*
  - *Model Updated every 5 years*
  - *Other VSCO:*
    - *Information Management System*
    - *Asset Management Program*
    - *Gravity O&M Program*
    - *Pump Station Operation and Preventive Maintenance Program*
    - *Force Main Operation, Preventive Maintenance and Assessment/Rehabilitation Program*

Development: Existing CD vs. New CD

Other Changes:

- *FOG Control Program:*
  - *FOG Characterization Study*
  - *FOG Control Devices*
    - *Specifications*
    - *Design Standards*
    - *Inspection Standards*
    - *O&M Standards*

Development: Existing CD vs. New CD

Projects with existing connection to sewers or connecting to an existing Gravity sewer through a lateral: FILL-IN

Additional flows can be *"**Unconditionally Authorized**"* if:

(a) Proposed Projected NAPOT ≤ 12 hrs:

(i) Pump Station(s) with a moratorium status can only be CM/CH, all others OK or OH, and

(ii) Proposed Projected NAPOT increase ≤ 0.5 hrs, and

(iii) Additional Flow ≤ 10,000 GPD

Fill-In	NOT Fill-In

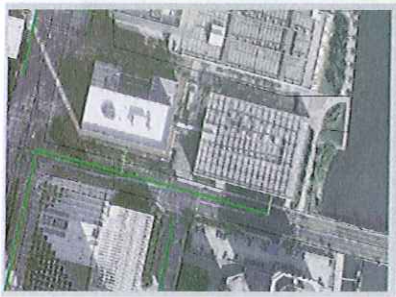
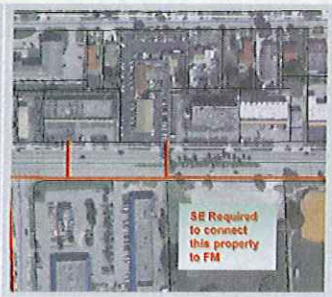
Development: Existing CD vs. New CD

Projects without existing connection to sewers (SE Required): HAMA

Additional flows can be *"**Unconditionally Authorized**"* if:

(a) Proposed Projected NAPOT ≤ 10 hrs, *and*

- (i) Qnet ≤ 1,000 GPD or,
- (ii) HAMA < 15 hrs, or
- (iii) HAMA ≥ 15 hrs but peak flow capacity study shows no upgrades required + no SSOs w/in prior 12 months.

HAMA Restrictions N/A	HAMA Restrictions May Apply	
		

Development: Existing CD vs. New CD

Sample Problem No. 1

1. New 10,000 sqft Office Building on vacant land (Qnet = 500 gpd & Calculated FD = 667 ft)
2. Gravity main abuts property
3. First PS is CM with PPNAPOT of 11 hrs, PPNAPOT ΔT = 0.45 hrs and all other pump stations are OK
4. RAP for PS has Certification Date set for 2019

Existing CD	New CD
Conditional Approval Can't CO until after 2019	FILL-IN Unconditional Approval

Development: Existing CD vs. New CD

Sample Problem No. 2:

1. New 10,000 sqft Office Building on vacant land (Qnet = 500 GPD & Calculated FD = 667 ft)
2. Gravity main abuts property
3. First PS is CH (HAMA = 18 hrs) with PPNAPOT of 11 hrs and PPNAPOT ΔT = 0.45 hrs
4. RAP for PS has Certification Date set for 2019
5. All other pump stations are OK

Existing CD	New CD
Conditional Approval Can't CO until after 2019	FILL-IN Unconditional Approval

Development: Existing CD vs. New CD

Sample Problem No. 3:

1. New 100,000 sqft Retail Outlet on vacant land (Qnet = 10,000 GPD & Calculated FD = 667 ft)
2. Gravity main abuts property
3. First PS is CH (HAMA = 18 hrs) with PNAPOT of 11 hrs and PPNAPOT ΔT = 0.5 hrs
4. RAP for PS has Certification Date set for 2019
5. All other pump stations are OK

Existing CD	New CD
Conditional Approval Can't CO until after 2019	FILL-IN Unconditional Approval

Development: Existing CD vs. New CD

Sample Problem No. 4:

1. New 100,000 sqft Retail Outlet on vacant land (Qnet = 10,000 GPD & Calculated FD = 667 ft)
2. Gravity main located 500 ft from property
3. First PS is OH with PPNAPOT of 9 hrs and PPNAPOT ΔT = 0.5 hrs
4. All other pump stations are OK

Existing CD	New CD
Conditional Approval No CO until SE Certified	HAMA Restricted To be Approved requires PFCS

Development: Existing CD vs. New CD

Sample Problem No. 5:

1. New 5,000 sqft Retail Outlet on vacant land (Qnet = 500 GPD & FD = 300 ft)
2. Gravity main located 100 ft from property
3. First PS is OH with PPNAPOT of 9 hrs and HAMA = 20 hrs
4. All other pump stations are OK

Existing CD	New CD
Conditional Approval No CO until SE Certified	Conditional Approval No CO until SE Certified

Development: Existing CD vs. New CD

Sample Problem No. 6:

1. CU application for change of use (Office to Retail), Qnet = 350 GPD
2. Property connected to abutting sewer
3. First PS is 30-0163 and is CM

Estimated Avaliable Capacity & Reserve Flow Report

Pump Station Number: 30 - 0163

Proposed Proposed Flow: 350

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NAPOT Estimates Program Version 2.1
This is not an official document.
Printed: 10/22/2013 8:28:57 AM

Proposed Number of gallons (gpd): 350

                Moratorium   Avail     Proposed     Projected    Proposed
                Status:      Hrs:      Hrs:         NAPOT:       Projected Hrs:
-------------------------------------------------------------------------------
  30    0163    CM           -1.49     0.02         11.49        11.51

-------------------------------------------------------------------------------
  30    0197    OK           7.49      0            2.52         2.52
  60    CO      --           --        --           --           --
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Submit | Close

Existing CD	New CD
CU Denied	FILL-IN CU Approved