Public Works and Environmental Services Department
WATER AND WASTEWATER SERVICES - ENGINEERING
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RETAIL LIFT STATION NAMING CONVENTION

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GENERAL

With the growth, development, and rehabilitation of the WWS wastewater collection system, consistent naming conventions for key elements has become vital for communication between WWS divisions. The following document provides guidelines for naming retail lift stations added to or relocated within the system, or rehabilitated in the same location.

Lift Stations are generally referred to by their Common Name. The Common Name consists of numbers and letters that describe the position of a station within the schematic flow of a given sewer basin. For example, flows from lift station LS 10D1-1 are re-pumped by lift station LS 10D1, which is re-pumped by lift station LS 10D. Each lift station also has GIS Facility ID (that is the same as the MAXIMO Location ID) which is a fourteen character code that begins with SLS and includes the Common Name. For example, LS 10D2-3 has a GIS Facility ID of SLS11210D23.

Naming and re-naming a lift station is tied to the status of the wet well. Each station may be categorized as NEW, RELOCATED, or REHABILITATED.

NEW

- The wet well is newly constructed.
- The station is an addition to the system and does not replace an existing lift station.

RELOCATED

- The wet well is newly constructed any distance from the original wet well.
- The station replaces an existing station which will subsequently be decommissioned.

REHABILITATED

- The wet well is repaired and remains in the same location.

NEW and RELOCATED stations will receive a new name (GIS Facility ID). REHABILITATED stations will retain their original name (GIS Facility ID).

REGIONAL VERSES RETAIL AND MASTER PUMP STATIONS VERSES STANDARD LIFT STATIONS

A Regional Master Pump Station is considered a component of the regional transmission system. The following criteria define a Regional Master Pump Station:

A. Receives and re-pumps flow from collection systems owned and maintained by a large user of the North Regional Wastewater Treatment Plant.
B. Discharges flow directly into a North Regional Transmission Main.
C. Does not collect flow directly from a gravity system that empties into the station.

Common names for Regional Master Pump Stations are MPS followed by a three digit numeric identifier that starts with “4”, for example MPS 461.

A Retail Master Pump Station is considered a component of the WWS retail wastewater collection system. The following criteria define a Retail Master Pump Station:

A. May receive flow directly from retail customers through a gravity system that empties into the station.
B. Collects and re-pumps flow from ALL other retail lift stations within its sewer basin.

Common names for Retail Master Pump Stations are MPS followed by a three digit numeric identifier that starts with the District the pump station is in (1, 2 or 3), for example MPS 301.

A Retail Lift Station is considered a component of the WWS retail wastewater collection system. The following criteria define a Retail Lift Station:

A. Receives flow directly from retail customers through a gravity system.
B. May collects and re-pumps flow from some, but not all, other retail lift stations within its sewer basin.
C. Discharges flow to a force main which is part of the retail collection system. The force main may:

i. Connect to the gravity sewer system of another retail lift station.
ii. Connect to a manifolded force main system feed by other retail lift stations.
iii. Connect to a force main owned and operated by the wastewater treatment plant provider.

PROCESS FOR NAMING RETAIL LIFT STATIONS

WWED GIS Manager will be responsible for assigning the Common Name and GIS Facility ID to NEW and RELOCATED lift stations. Capital and Developer projects should determine the request assignment of a lift station name at or before the 90% plan submittal stage and verify that the assigned name appears on the final design drawings.

1. The Capital or Developer project manager will determine the Lift Station's wet well status per the chart below:

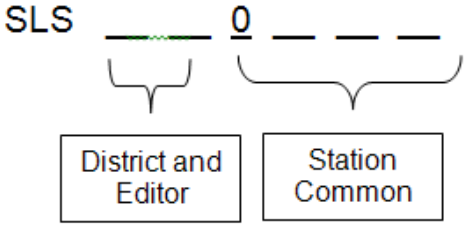
Wet Well Status	Common Name	GIS Facility ID	Maximo Location ID
New	Assign new Common Name	Assign new GIS Facility ID	Assign new Maximo Location ID
Relocated	Does not change	Assign new GIS Facility ID	Assign new Maximo Location ID
Rehabilitated	Does not change	Does not change	Does not change

2. The Capital or Developer project manager will send a request to the WWED GIS Manager for an assignment of a Common Name and GIS Facility ID, as applicable.

3. To assign the Common Name, the GIS Manager will:
   A. Review the position of the station in the sanitary sewer collection system.
      i. Identify the collection basin to which the station belongs.
      ii. Determine whether or not flows will be re-pumped by another station.
   B. If the new station flows will be re-pumped by another station, increment the Common Name of the other station. For example:
      i. The New station flows will be re-pumped by station 99A. The New station Common Name is 99A1.
      ii. The New station flows will be re-pumped by station 99D1. The New station Common Name is 99D1-1.
   C. If the new station flows will not be re-pumped by another station, use the basin number and increment the alphabetical reference of the Common Name from the last used letter. For example:
      i. The New station belongs to basin 88 and the last station of the basin in 88X. The New station Common Name will be 88Y.

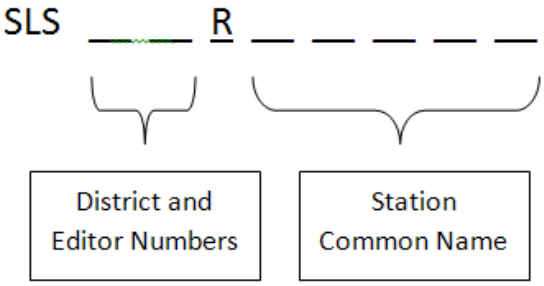
4. To assign the GIS Facility ID, the GIS Manager will:

A. Follow this convention for New lift stations



Using example 3.b.i, the station's GIS Facility ID will be SLS190099A1

B. Add the letter R before the Common Name for Relocated stations



If the Common Name of the relocated station is 77D2, the GIS Facility ID will be SLS290R77D2

5. WWED GIS Manager will communicate the GIS Facility ID and Common Name to the Requestor and to WWOD.