USER MANUAL

flowMSP

Author: Nisha Dahiya

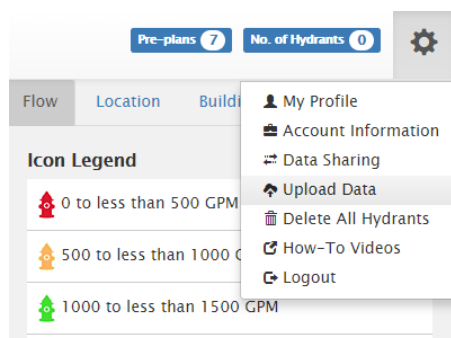Date: 19th Oct 2018

Version: 0.3

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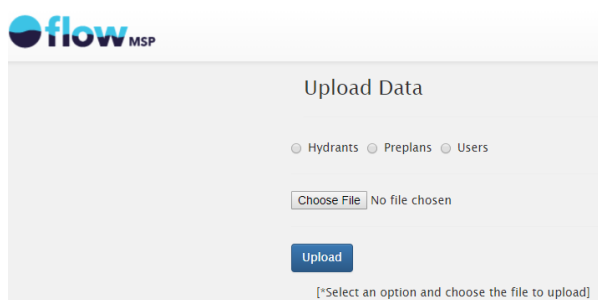## 1. INTRODUCTION

1.1 Pre-requisite

This material is for administrator to upload the Pre-plan from a CSV file to the flowMSP system. User can download sample .csv files from the "Upload data" page itself with respect to each uploading type.

1.1.1 Steps to upload Pre-plan: -

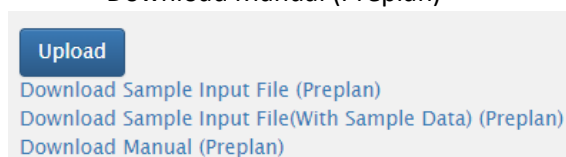1. "Upload Data" is available under "setting" menu option.

2. On the click of the "Upload Data" user will be directed on "Upload data" page.

Upload data page will be having three radio button options: -
- Hydrants (Selection on this allow to upload hydrants)
- Preplans (Selection on this allow to upload locations)
- Users (Selection on this allow to create no. of users under current customer account)

3. Select "Preplans" radio button. This will bring up three links to the user below "Upload" button:
    - Download Sample Input File (Preplan)
    - Download Sample Input File (With Sample Data) (Preplan)
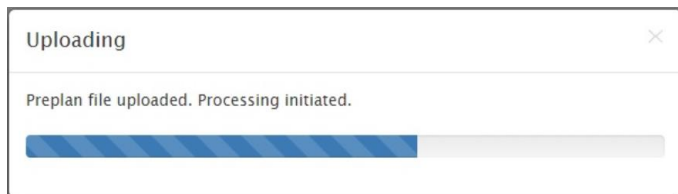   - Download Manual (Preplan)

4. User can download sample .csv input file with/without data from the given links.
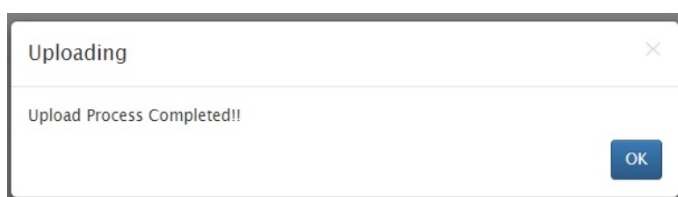

*Note – Header must be static as given in sample file.

5. Enter data by following "CSV Schema & Validations".

6. Select .csv file through "choose file" option from the system directory.

7. Click "upload" button, this will display process initiation.
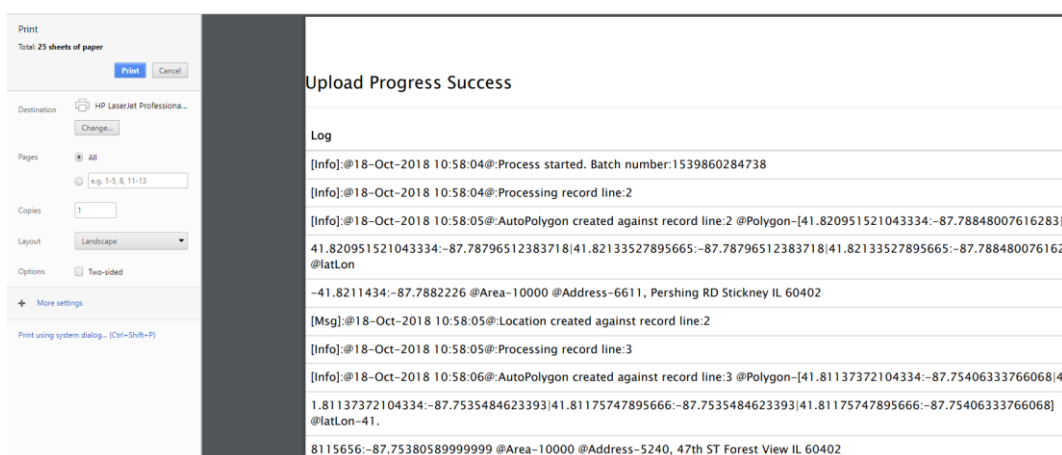

8. After completion of the process, this will display "process complete" pop-up and will show a "Log" for the process.

9. User can print the "log" file with "Print this out" option and can also save it as a Pdf in the system.

1.1.2 Record line explanations: -

1.

> [Info]:@18-Oct-2018 10:53:10@:Process started. Batch number:1539859990070
>
> [Info]:@18-Oct-2018 10:53:10@:Processing record line:2
>
> [Info]:@18-Oct-2018 10:53:10@:Location already existed (address found) record line:2
>
> [Err]:@18-Oct-2018 10:53:10@:Error in record line:2 – Address1 can't be NULL

- First line displays starting of the process and its batch number.
- Second line displays the process info with line no.
- Third line display result of the second line process, if that is successful then it displays "Msg" referred to that process.
- Forth line displays error message if any mandatory field is left blank or invalid input is provided to the field.

2.

> [Info]:@18-Oct-2018 10:58:04@:Process started. Batch number:1539860284738
>
> [Info]:@18-Oct-2018 10:58:04@:Processing record line:2
>
> [Info]:@18-Oct-2018 10:58:05@:AutoPolygon created against record line:2 @Polygon-[41.820951521043334:-87.78848007616283|
>
> 41.820951521043334:-87.78796512383718|41.82133527895665:-87.78796512383718|41.82133527895665:-87.78848007616283] @latLon
>
> -41.8211434:-87.7882226 @Area-10000 @Address-6611, Pershing RD Stickney IL 60402

- If polygons field is empty, then it will auto generate a standard polygon on the given address.

3.

> [Info]:@18-Oct-2018 10:58:10@:Processing record line:10
>
> [Err]:@18-Oct-2018 10:58:10@:Error in record line:10 – can't extract latlon against address:5240, 47th ST #7 Forest Vi
>
> ew IL 60402

- Above error indicates that system can't find given address on the map and it will not plot any structure for the given entry.

4.

> [Info]:@18-Oct-2018 10:58:25@:Processing record line:36
>
> [Err]:@18-Oct-2018 10:58:25@:Duplicate location (same address) Error in record line:36

- Above error will be generated for the duplicate entry in polygons or in the address field.

5.

> [Err]:@18-Oct-2018 10:58:10@:Error in record line:9 – Invalid Option:Construction Type with value:Type IIIA – Protective
>
> Ordinary

- Above error indicates any invalid entry in the .csv file and it will be recorded as "failed" entry.

6.

[Info]:@18-Oct-2018 10:58:54@:Process completed.

[Info]:@18-Oct-2018 10:58:54@:Record(s) processed:80

[Info]:@18-Oct-2018 10:58:54@:Record(s) inserted:43

[Info]:@18-Oct-2018 10:58:54@:Record(s) updated:1

[Info]:@18-Oct-2018 10:58:54@:Record(s) failed:36

- First line indicates the completion of the process.
- Second line displays no. of lines being processed successfully.
- Third line indicates inserted records.
- Forth line displays Updated records. If we have duplicate records for pre-plan those will be counted as updated records.
- Forth line displays no. of the records that are failed during the process because of some errors.

2. CSV SCHEMA & VALIDATIONS

Field	Description
Polygon	- This field would accept value in following format only: - lat: lon|lat:lon|lat:lon e.g. :- 32.902806:-80.664873|32.901022:-80.664616|32.899151:-80.668108|32.902977:-80.668317|32.902806:-80.664873|32.904049:-80.667062 . (any other symbol and format will not be accepted) - This field can be left blank, in that case it will plot geo-position (latitude & longitude) on map according to the address given in address field and draw a standard polygon on given address. **Note:-** At Least three geo-positions of polygon are mandatory to complete an enclosed location.
Name	- This field accepts alphanumeric characters. - This is not a mandatory field.
Street Address	- This field accepts alphanumeric characters. - This is a mandatory field.
Street Address2	- This field accepts alphanumeric characters. - This is not a mandatory field.
City	- This is a mandatory field. - This field can accept alphanumeric characters.
State	- This is a mandatory field. - This field can accept alphanumeric characters.
Zip code	- This field accepts numeric characters. - This field can be left blank.
Roof Area (Sq. Ft)	- This field accepts numeric characters. - This field can be left blank.
Occupancy Type	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Assembly" • "Board & Care" • "Business / Mercantile" • "Day-Care" • "Detention & Correctional" • "Educational" • "High Hazard" • "Industrial" • "Medical Care / Institutional" • "Multi-Family"

	• "Residential" • "Special Structures" • "Storage"
Construction Type	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Not Classified" • "Type IA - Fire Resistive • "Type IB - Fire Resistive Non-combustible" • "Type IIA - Protective Non-combustible" • "Type IIB - Unprotected Non-combustible" • "Type IIIA - Protected Ordinary" • "Type IIIB - Unprotected Ordinary" • "Type IV - Heavy Timber" • "Type VA - Protected Combustible" • "Type VB - Unprotected Combustible"
Roof Type	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Bonnet" • "Bowstring Truss" • "Butterfly" • "Combination" • "Curved" • "Dome" • "Flat" • "Gable" • "Gambrel" • "Hip" • "Jerkin head" • "Mansard" • "Pyramid" • "Saltbox" • "Sawtooth" • "Skillion"
Roof Construction	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Beam - Concrete" • "Beam - Steel" • "Beam - Wood" • "Steel Truss - Open Web" • "Wood / Steel - Closed Web" • "Wood / Steel - Open Web" • "Wood Truss - Closed Web" • "Wood Truss - Open Web"

Roof Material	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Built-Up" • "Composition Shingles" • "Membrane - Plastic elastomer" • "Membrane - Synthetic elastomer" • "Metal" • "Metal - Corrugated" • "Metal - Shake" • "Metal - Standing Seam" • "Roof Covering Not Class" • "Roof Covering Undetermined/Not Reported" • "Shingle - Asphalt / Composition" • "Slate - Composition" • "Slate - Natural" • "Structure Without Roof" • "Tile - Clay" • "Tile - Concrete" • "Tile (clay, cement, slate, etc.)" • "Wood - Shingle/Shake" • "Wood Shakes/Shingles (Treated)" • "Wood Shakes/Shingles (Untreated)"
Normal Population	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Vacant" • "1 - 10" • "11 - 50" • "51 - 100" • "101 - 500" • "501 - 1000"
Sprinklered	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Dry System" • "Wet System" • "Both" • "None"
Stand Pipe	- This field can be left blank. - This field is not case sensitive. - Acceptable value: - • "Yes" • "No"
Fire Alarm	- This field can be left blank.

	- This field is not case sensitive. - Acceptable value: - • "Yes" • "No"
Hours of Operation	- This field accepts alphanumeric characters. - This field can be left blank.
Owner Contact	- This field can be left blank. - This field can accept alphanumeric characters.
Owner Phone	- This field can be left blank. - This field can accept alphanumeric characters.
Notes	- This field can be left blank. - This field can accept alphanumeric characters.
Storey Above	- This field can be left blank. - This field can accept alphanumeric characters. - Acceptable value: - <= 30 (Less than equal to 30)
Storey Below	- This field can be left blank. - This field can accept alphanumeric characters. - Acceptable value: - <= 30 (Less than equal to 30)