USER MANUAL

flowMSP

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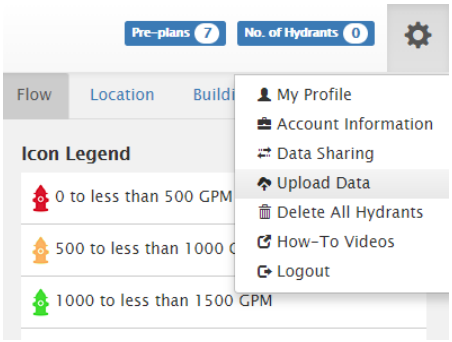
1. INTRODUCTION

1.1 Pre-requisite

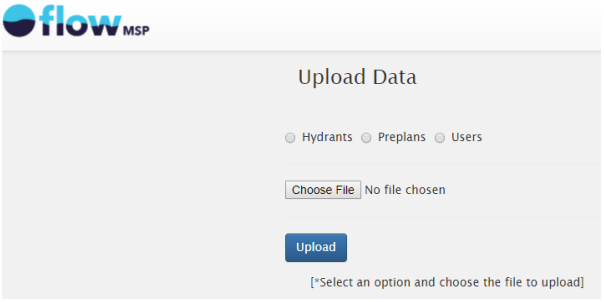
This material is for administrator to upload the Hydrants data from a CSV file to the flowMSP system. User can download sample .csv files from the "Upload data" page itself with respect to each uploading type.

1.1.1 Steps to upload Hydrants: -

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



2. On the click of the "Upload Data", user will be directed to "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 "Hydrant" radio button. This will bring up three links to the user below "Upload button":
   - Download Sample Input File (Hydrant).
   - Download Sample Input File (With Sample Data) (Hydrant).
   - Download Manual (Hydrant).
   -

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

	A	B	C	D	E	F	G	H	I
1	lat	lon	flow	size	address	inservice	notes	dryhydrant	outservicedate
2									

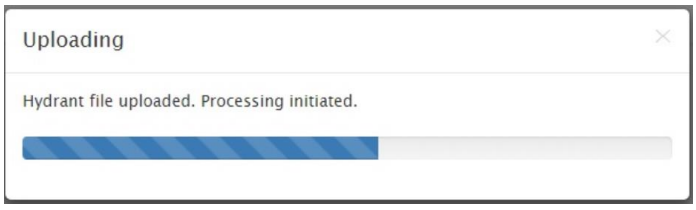
	A	B	C	D	E	F	G	H	I
1	lat	lon	flow	size	address	inservice	notes	dryhydrant	outservicedate
2	41.44396	-87.642	400	100	203 W Main St, S	TRUE		FALSE	05-01-2019

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

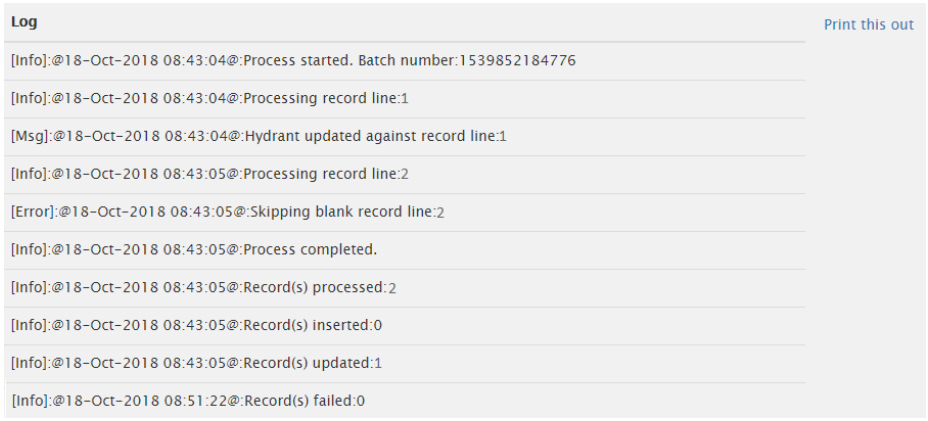
5. Enter data following “CSV Schema & Validations”.

6. Select .csv file through “Choose file” option from the system directory.

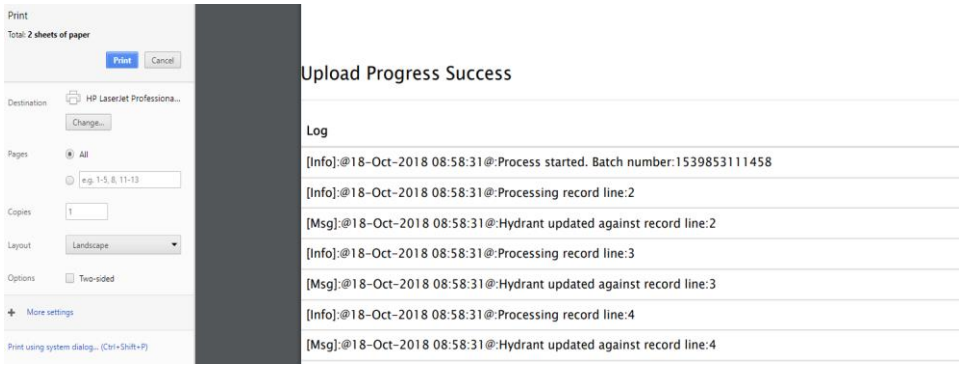
7. Click “upload” button, this will display process initiation.



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 08:58:31@:Process started. Batch number:1539853111458
[Info]:@18-Oct-2018 08:58:31@:Processing record line:2
[Msg]:@18-Oct-2018 08:58:31@:Hydrant updated against record line:2
```

- First line displays the “batch number” referred to that file upload.
- 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. When hydrant is added then it displays “Hydrant added” message.

2.

```
[Info]:@18-Oct-2018 08:58:32@:Processing record line:6
[Error]:@18-Oct-2018 08:58:32@:Skipping blank record line:6
```

When program finds lat. and long. field blank it will display above “Error” about its process.

3.

```
[Info]:@18-Oct-2018 09:16:54@:Process completed.
[Info]:@18-Oct-2018 09:16:54@:Record(s) processed:3
[Info]:@18-Oct-2018 09:16:54@:Record(s) inserted:0
[Info]:@18-Oct-2018 09:16:54@:Record(s) updated:3
[Info]:@18-Oct-2018 09:16:54@:Record(s) failed:0
```

- 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 hydrants 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
lat	- Input values should be in degree format. - This is a mandatory field.
lon	- Input values should be in degree format. - This is a mandatory field.
Flow	- This field would accept numeric characters. - This is a mandatory field.
Size	- This field can accept alphanumeric characters. - This field can be left blank.
Address	- This field can accept alphanumeric characters. - This field can be left blank.
In-service	- This field can accept alphanumeric characters. - This field can be left blank.
Notes	- This field can accept alphanumeric characters. - This field can be left blank.
Dry Hydrant	- This field can accept TRUE/FALSE. - This field can be left blank.
Out-service Date	- This field can accept date in YYYY-MM-DD. - This field can be left blank.