

UPM-RAT Users Newsletter



Issue #1 June 2026

Welcome to the inaugural edition of the UPM-RAT newsletter. This newsletter aims to update UPM-RAT users on recent software updates and enhancements. We also include a summary and link to answers of Frequently Asked Questions (FAQs) by UPM-RAT users. We hope to include industry and regulator news as it relates to storm overflow assessments. In addition, we welcome case studies on the use of UPM-RAT by users for inclusion in this newsletter. We hope to send out this newsletter on a biannual basis. We can be contacted by email at: upmrat@wrcgroup.com.

The contents of this newsletter edition are:

1. Recent software updates.
2. Summary and links to responses to Frequently Asked Questions (FAQs).

Recent Software Updates

| Version | Description | Release Date |
|---------|---|--------------|
| 3.040 | Changed software and database to associate EMCs with HYQ files rather than SSCs. | 1-Apr-26 |
| 3.041 | Some extra checks in the view results panel to only allow viewing of complete results files. | 21-Apr-26 |
| 3.041 | The database was changed to not ignore small spills by default. | 21-Apr-26 |
| 3.042 | Updated model to detect that the HYQ file length for a storm tank is less than the rainfall timeseries. | 29-Apr-26 |
| 3.043 | Format of results and parameters file changed to be consistent with the old version of UPM-RAT. | 6-May-26 |
| 3.043 | Updated model to correctly read a HYQ set for a WwTW. | 7-May-26 |

What's New in Detail

Below are expanded notes on the most significant changes this month:

1. V3.040 —Users can now assign multiple HYQ files to individual SSCs and EMCs can be set for individual HYQ files.

| Name | EMC BOD | EMC NH3 | EMC DO | Profile BOD | Profile NH3 | Use Profile |
|------|---------|---------|--------|-------------|-------------|--------------------------|
| Hys1 | 100 | 10 | 6 | 0 | 0 | <input type="checkbox"/> |
| WwTW | 100 | 10 | 6 | 0 | 0 | <input type="checkbox"/> |

- V3.043 — The format of the results and parameters CSV file is now completely consistent with that of the 'old' (VB6 executable) UPM-RAT. This means, templates created by clients for working with the results of the 'old' UPM-RAT should now seamlessly work with the results of the new UPM-RAT.

Frequently Asked Questions (FAQs)

Click any link below to jump to the full response on our support portal.

Q: How do I log in for the first time? → [View full guide](#)

As a new user, you will be assigned a username and password. At first login, you will be asked to change your password and to set up 2-factor authentication in the Duo app.

Q: How do I upload a HYQ file onto the remote host and then import it into UPM-RAT? → [View full guide](#)

You can use the file transfer tool on the remote host to upload a HYQ file. After upload, the file will sit in a directory on the remote host called 'ThinDisk'. ThinDisk is a transitional space for file uploads and downloads to and from the remote host. To use the HYQ file in UPM-RAT, you need to first move the HYQ file to a space in your working folder on the remote host. You can do this in the 'Import Flow Files' panel in UPM-RAT. See the full article for a more details.

Q: How do I download the model results? → [View full guide](#)

Results for UPM-RAT runs can be viewed in the 'View Results' panel of UPM-RAT. By clicking on the folder icon in this panel, you can copy/cut model results files from your working folder on the remote host to the ThinDisk folder. Then, you can use the file transfer tool on the remote host to download files from the ThinDisk folder to your local machine. Please see the full article for more information.

Q: Why do SSC/storm tank spills look too high when using a HYQ file? → [View full guide](#)

If model calculated spills look higher than expected, it could be that the HYQ file contains many tiny (<0.001 m³/s) spills that UPM-RAT will count as spills. You can set UPM-RAT to ignore small spills (<0.001 m³/s) on the 'Use HYQ Files' tab in the 'View Edit Model Parameters' frame. Please see the full article for more information.

Q: Why can't I access the SSC parameters in UPM-RAT? → [View full guide](#)

If you find the SSC tabs in the 'View Edit Model Parameters' panel are greyed out, you need to set the modelled system layout to either 'Parallel' or 'Series' on the 'Layout' tab of the 'View Edit Model Parameters' frame. Please see the full article for more information.

Q: How is the WwTW water quality and final effluent flow rate set when using a HYQ file? → [View full guide](#)

Water quality and flow rate for a WwTW is set in the WwTW tab in UMP-RAT. However, you can also set the final effluent flow rate of a WwTW using a HYQ file. While you can set the event mean concentrations (EMCs) of HYQ files, the water quality of a WwTW final effluent is always set in the WwTW tab. If the 'Use Random Pick for Flow' check box in the WwTW tab is ticked, the random flow pick will be used, regardless of whether the WwTW has been associated with a HYQ file.
