

eDMR File Structure

If you maintain your DMR data in a data system, and would like to export the data from the system to eDMR, it can be done using a comma-separated values (CSV) file. The eDMR Load File Worksheet function can only accept a CSV file. The specific requirements for the CSV file are as follows:

| <u>Record</u> | <u>Field</u> | <u>Field Description</u> | <u>Examples</u> | <u>Acceptable Values</u> | <u>Field Type</u> | <u>Field Length</u> |
|---------------|--------------|--|-----------------|--|-------------------|---------------------|
| 1 | 1 | Sampler ID | 026 | Registration Number issued to the lab facility by Lab Certification group of DWWM (old name OWR) program office – NOTE: LWV and CWV prefixes are no longer used, they will be removed from the data before loading if provided | Char | 6 |
| | 2 | NPDES Number | WV0042056 | WV NPDES Number. For HPU General Permits: Gen. NPDES #: <u>WVG049991</u> Registrant #: 1234 Report As: <u>WVG011234</u> For DWWM Gen. Sewage: Gen. NPDES #: WV0103110 Registrant #: 1077 Report as: WVG551077 | Char | 9 |
| | 3 | Outlet Number/Station Id(i.e. stream/ground) | 001 | Number DEP assigned to the Outlet – provide leading zeroes, must match as provided on DMRs and for HPU Page 2s | Char | 20 |
| | 4 | Storet Water Quality Parameter Number | 00400 | 00000 = No Flow – for entire outlet 99999 = Not constructed (HPU only) See DMR, also HPU Page 2s | Char | 5 |
| | 5 | Monitoring Location (rename of Type of Location Code) | 1 | 1 = Effluent Gross Value 2 = Effluent Net Value 3 = Intake Public Water 4 = Pretreat, Process Complete 5 = Upstream Monitoring 6 = Downstream Monitoring 7 = Intake from stream A = Disinfect, Process Complete B = Prior to Disinfect G = Influent K = Precent Removal O = Monitoring Wells P = Leachate + = Sludge | Char | 1 |
| | 6 | DMR Date/Sampling Date | 09301995 | MMDDYYYY | Num | 8 |

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| | | | | | | |
|--|-----------|------------------------------|-----------|---|-------------|----------|
| | 7 | Quantity Code | 26 | 01 = KG/Day 03 = MGD 07 = GPD 08 = CFS 14 = <60/Minute 19 = MG/L 23 = Percent 26 = Lbs/Day 27 = Feet/Foot 28 = UG/L 76 = Lbs/Month 78 = GPM 8B = Gal/Acre 80 = MGal/Month 88 = Occur/Day 89 = Occur/Week 93 = Occur/Month | Char | 2 |
| | 8 | Quantity Average Flag | | < or blank, also > for DWWM | Char | 1 |
| | 9 | Quantity Average | | decimal anywhere, no comma in data value | Num | 8 |
| | 10 | Quantity Maximum Flag | | < or blank, also > for DWWM | Char | 1 |
| | 11 | Quantity Maximum | | decimal anywhere, no comma in data value | Num | 8 |

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| | | | | | | |
|--|----|----------------------------|------|--|------|---|
| | 12 | Concentration Code | 12 | 03 = MGD 04 = Degree Celsius 05 = MBTU/hr 07 = GPD 08 = CFS 10 = PT-CO 11 = UMHO/CM 12 = Std. Units 13 = Cnts /100ML 14 = Minutes 15 = Degree Fahrenheit 17 = pCi/L 19 = MG/L 1F = UHMOS 20 = PPM 21 = PP/B 23 = Percent 25 = ML/L 27 = Feet 28 = UG/L 30 = MPN/100ml 31 = Thr Num 43 = NTU 65 = Ci/ml 69 = mg/kg 75 = uCi/ml 78 = GPM 1E = ADMI Units 2F = TUa 2G = TUC 2I = % Mortality 3C = BTU/Minute 3L = pp/l 3M = NG/L 3Z = 100/L 4X = # of Excdnc 5I = Col/gr CP = Compos | Char | 2 |
| | 13 | Concentration Minimum Flag | | < or blank, also > for DWWM | Char | 1 |
| | 14 | Concentration Minimum | 7.50 | decimal anywhere, no comma in data value | Num | 8 |
| | 15 | Concentration Average Flag | | < or blank, also > for DWWM | Char | 1 |
| | 16 | Concentration Average | | decimal anywhere, no comma in data value | Num | 8 |
| | 17 | Concentration Maximum Flag | | < or blank, also > for DWWM | Char | 1 |
| | 18 | Concentration Maximum | 7.50 | decimal anywhere, no comma in data value | Num | 8 |

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| | | | | | | |
|--|----|---|----|---|------|---|
| | 19 | Frequency of Analysis Or Measurement Frequency Or Sampling Frequency | M | <p>A = Annual (for DWWM this appears as 01/YR on DMRs)</p> <p>D = Daily (for DWWM this appears as 01/01 on DMRs)</p> <p>M = Monthly (for DWWM this appears as 01/30 on DMRs)</p> <p>N = Semi-Annual (for DWWM this appears as 01/6M on DMRs)</p> <p>Q = Quarterly (for DWWM this appears as 01/90 on DMRs)</p> <p>S = Semi-monthly (for DWWM this appears as 01/14 on DMRs)</p> <p>W = Weekly (for DWWM this appears as 01/07 on DMRs)</p> <p>See Appendix A for full list</p> | Char | 5 |
| | 20 | Sample Type | GR | <p>CA = Calculated</p> <p>CN = Continuous</p> <p>CP = Composite</p> <p>EST = Estimated (for DWWM this appears as ES on DMRs) G2 = Grab-2</p> <p>G3 = Grab-3</p> <p>G4 = Grab-4</p> <p>G5 = Grab-5</p> <p>GR = Grab</p> <p>IN = Instantaneous</p> <p>IS = INSITU</p> <p>IT = IMRSTB</p> <p>ME = Measured (for DWWM this appears as MS on DMRs) RC = Recorded</p> <p>STD = Std. Units</p> <p>06 = 6 Hr. Composite</p> <p>08 = 8 Hr. Composite</p> <p>12 = 12 Hr. Composite 22 = Batch</p> <p>24 = 24 Hr. Composite</p> <p>99 = 1/Week Composite</p> | Char | 3 |
| | 21 | Quantity Minimum Flag | | <p>< or blank</p> <p>HPU only – used on Groundwater DWWM not used report null</p> | Char | 1 |

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|--|----|-----------------------------------|-------------------|---|------|---|
| | 22 | Quantity Minimum | | decimal anywhere, no comma in data values. HPU Only used on Groundwater DWWM not used report null | Num | 8 |
| | 23 | Quantity Number Exceedances | 0 | | Num | 8 |
| | 24 | Concentration Number Exceedances | 0 | | Num | 8 |
| | 25 | Rainfall Inches | 1.0 | decimal anywhere, no comma DWWM not used report null | Num | 8 |
| | 26 | Rainfall Date | 09301999 | DWWM not used report null | Num | 8 |
| | 27 | Frozen Conditions | | Y or N – applies only to No Flows | Char | 1 |
| | 28 | Reporting Frequency | A | A = Annual (for DWWM this appears as D on DMRs) M = Monthly (for DWWM this appears as A on DMRs) Q = Quarterly (for DWWM this appears as B on DMRs) S = Semi-monthly W = Weekly C = Twice a Year E = Once/2 Years G = Once/5 Years | Char | 1 |
| | 29 | Discharge Flag | E | USE ONLY DURING INSTRUMENT MALFUNCTIONS C = No flow E = Not Tested N = Not Constructed Q = Not Quantifiable 8 = Other 9 = Conditional Monitoring – Not Required This Period Z = COVID-19 | Char | 1 |
| | 30 | Compliance Evaluation Level (CEL) | 100 Appendix A | | Num | 5 |

These codes are for column 19 ONLY.
Sampling Frequency Codes

- A = Annual (for DWWM this appears as 01/YR on DMRs)
- D = Daily (for DWWM this appears as 01/01 on DMRs)
- M = Monthly (for DWWM this appears as 01/30 on DMRs)
- N = Semi-Annual (for DWWM this appears as 01/6M on DMRs)

Q = Quarterly (for DWWM this appears as 01/90 on DMRs)
S = Semi-monthly (for DWWM this appears as 01/14 on DMRs)
W = Weekly (for DWWM this appears as 01/07 on DMRs)

01/02 = Once/2 days
01/03 = Conv-Unknown
01/04 = Once/4 days
01/05 = Once/5 days
01/06 = Once/6 days
01/08 = 1/8days
01/09 = Once/9 days
01/10 = Once/10 days
01/11 = Once/11 days
01/12 = Once/12 days
01/13 = Once/13 days
01/21 = Once/3 weeks
01/28 = Once/4 weeks
01/2Y = Once/2 years
01/4M = Once/4 months
01/5M = Once/5 months
01/5Y = Once/5 years
01/60 = Once/2 months
01/7M = Once/7 months
01/8H = Once/8 hours
01/99 = instnt
01/BA = 1/batch
01/BD = Once BeforeDis
01/DD = Once/Daily Discharge
01/DM = Once/Dschmn
01/DQ = Once/Dschqtr
01/DS = Once/Discharge
01/DW = Once/Dischwk
01/EP = Once/Prmtcycle
01/HR = Once/Hr
01/HV = Once/Harvest
01/OC = Once/Occurnc
01/RN = Once/RN Event
01/RP = Once/Rpt Per
01/SH = Once/Shift
01/SN = Once/Season
02/01 = Twice/Day
02/07 = 2/week
02/12 = Twice/12 days
02/30 = 2/month
02/5Y = Twice/5 years
02/90 = Twice Qtrly

Appendix A
These codes are for column 19 ONLY.
Sampling Frequency Codes

02/99 = See Permit
02/BA = Twice/Batch

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02/DA = 2 Days / Week
02/DD = Twice/Drwdown
02/DS = 2/dischg
02/DW = Twice/Dschwkw
02/HR = Twice/Hour
02/RP = Twice/Rpt Per
02/SH = 2/shift
02/SN = Twice/Season
02/YR = 1/6 months
03/01 = Three/day
03/05 = Three/5 days
03/07 = 3/week
03/08 = Three/8 days
03/12 = Three/12 days
03/30 = 3/month
03/5Y = Three/5 years
03/6M = Three/6 months
03/90 = Three/Quarter
03/99 = See Permit
03/BA = Three/Batch
03/DS = 3/dischg
03/DW = 3 days/week
03/RP = Three/Rpt Per
03/YR = 3/year
04/01 = Four/day
04/07 = 4/Week
04/30 = 4/Month
04/90 = 4 time/qrtly
04/99 = See Permit
04/BA = Four/Batch
04/HR = Four/Hour
04/RP = Four/Rpt Per
04/YR = Four/year
05/01 = 5 times/day
05/07 = 5days/week
05/08 = Five/8 days
05/30 = 5 times/month
05/90 = Five/Qrtly
05/99 = See Permit
05/BA = Five/Batch
05/DW = Five days/week
05/WK = 5/week
06/01 = Six/day
06/07 = six/week
06/30 = 6 times/month
06/90 = Six/Qrtly
06/99 = See Permit
06/SH = Sox/Oprshift
07/14 = 7 per 2 weeks
07/30 = 7 times/month
07/90 = Seven/Qrtly
07/99 = See Permit
07/WD = Weekly Whn Dis
07/WK = 7 times/week
08/01 = Eight/day
08/30 = 8/month
08/90 = Eight/Qrtly

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Appendix A

Sampling Frequency Codes

08/99 = See Permit
08/BA = Eight/Batch
09/01 = None/day
09/30 = Nine/month
09/90 = Nine/Qrtly
09/99 = See Permit
10/30 = Ten/month
10/90 = Ten/Qrtly
10/99 = See Permit
11/30 = Eleven/month
12/01 = Twelve/day
12/30 = 12 per month
13/30 = Thirteen/month
14/30 = Fourteen/month
15/30 = Fifteen/month
16/01 = Sixteen/day
16/30 = 16 per month
17/30 = 17 per month
18/01 = Eighteen/day
18/30 = 18 per month
19/30 = 19 per month
20/30 = 20 per month
21/30 = 21 per month
22/30 = 22 per month
23/30 = 23 per month
24/01 = hourly
24/30 = 24 per month
24/HR = 24times/hour
25/30 = 25 per month
26/30 = 26 per month
27/30 = 27 per month
28/30 = 28 per month
29/30 = 29 per month
48/01 = everyh 1/2 hour
60/HR = 60 times/hour
66/66 = WPC PLAN
77/77 = CONTINGENT
88/88 = CLEANING
99/99 = Continuous
WH/DS = When Discharge
WH/MN = Measured whn Mon