



## Wet Weather Checklist–2021

### Development Engineering



Redmond  
WASHINGTON

[redmond.gov/CivilEngineering](http://redmond.gov/CivilEngineering)

#### October 1 thru April 30

The following information is provided to assist applicants with the City of Redmond Wet Weather Permit. For detailed design criteria refer to the City of Redmond, Stormwater Technical Notebook, Chapter 10 - Rainy Season Clearing / Grading, for guidance in assembling a Wet Weather Plan package.

#### The 2021 fee for the wet weather process is:

- **\$3025.49 - Wet Weather Annual Fee**
- **\$90.76 - 3% Technology Surcharge Stormwater**
- Fees are due prior to meeting with the Wet Weather Committee

#### Submittal Procedure

Once a Site permit has been issued, you may submit your proposed Wet Weather Plan for review by the Wet Weather Committee. An appointment may be scheduled upon payment of the invoiced fee and submittal of the plans by contacting Duniel Murillo [dmurillo@redmond.gov](mailto:dmurillo@redmond.gov). There is no application form.

The Wet Weather Committee meets Monday and Friday mornings to discuss applications. The Committee agenda is limited due to other responsibilities.

- Plans are reviewed on a first-come first-served basis.
- During periods of heavy volume, space on the committee agenda may not be available for the following week. Plan for delays in September and October.
- A place on the next available agenda will be secured only by providing the wet weather plan materials and payment of the review fee. No advanced appointments for plan review are accepted.
- The project contractor should attend at least the first committee review of the wet weather plans.
- **Materials can be provided electronically, mailed, couriered, or hand delivered to the Development Engineer Administrative Specialist, Planning & Community Development, second floor City Hall.**

#### Restoration Bonds

Restoration bond amount will be set by the Wet Weather Committee. If required, bond will be required prior to commencing work. Bonds may be released once site stabilization has been verified by the City of Redmond Inspector or the rainy season ends. For stabilization by establishing vegetative cover, at least 90% of the disturbed area shall have a stand of grass or other approved

plant at least 4 inches high.

## Timetable

**Projects active prior to October 1<sup>st</sup>:** Provide a plan for review by mid-August.

**Projects to start construction after October 1<sup>st</sup>:** Work will commence only upon Wet Weather Plan approval. Coordinate Wet Weather Plan with the construction drawings. However, do not include the wet weather plan in with the civil construction drawings; they go through a separate review process.

## Submittal Items

Wet Weather Plan Package to the City of Redmond Development Engineering Division. The submittal should include the following:

- \_\_\_\_\_ When chemical treatment is proposed submit a Request for Chemical Treatment to Department of Ecology, which is available on their website at:  
<https://fortress.wa.gov/ecy/publications/SummaryPages/ecy070258.html> .
- \_\_\_\_\_ Construction Stormwater Pollution Prevention Plan (SWPPP). Submit a copy that has been updated with the proposed BMP's for the Wet Weather Plan. Keep a copy of the SWPPP onsite at all times.
- \_\_\_\_\_ Stormwater Sampling Plan: including collection locations, frequency, analytical tests/procedures, reporting process, and the responsible independent third-party used to perform monitoring and related analytical work. Include pH testing to sampling plan once concrete work commences.
- \_\_\_\_\_ Chemical treatment shall only be a Department of Ecology GULD approved technology.

## Wet Weather Calculations

- \_\_\_\_\_ Chemical and electro-coagulation treatment systems must include storage of 150% of the 10-year storm runoff volume.
- \_\_\_\_\_ Acceptable methods of storage volume calculation: continuous simulation hydrologic model such as WWHM.
  - Do not deduct the volume potentially treated in a 24-hour period from the storage volume required.
- \_\_\_\_\_ Bench test results are required for all chemical and electro-coagulation system designs.
- \_\_\_\_\_ Using standard BMP or chemical treatment - maximum turbidity discharge: 25 NTU
- \_\_\_\_\_ All projects must submit copies of the SWPP Plan and NPDES application.
- \_\_\_\_\_ List the allowed maximum discharge rate from the project 10-year storm (current land use condition) for pump sizing.
- \_\_\_\_\_ Confirm that the downstream open channel conveyance is not eroded.  
(If there is potential for downstream erosion, the allowable release rate may be reduced)

## Wet Weather Construction Drawings to Include:

- \_\_\_\_\_ Half-size plan sheets (11-inch by 17-inch)
- \_\_\_\_\_ Seasonal Suspension Plan
  - Notes describing steps to shut down project for the rainy season if runoff criteria cannot be met.
- \_\_\_\_\_ Wet Weather Approval Block on each page.
- \_\_\_\_\_ Clearly labeled Site Permit Number.
- \_\_\_\_\_ Title Block clearly labeled WET WEATHER PLAN and wet weather years.

\_\_\_\_\_ Disturbed areas delineated:

- Specify amount of disturbed area in acres. When applicable, show phasing on plans.

\_\_\_\_\_ The status of construction: identify completed work as of the date of plan submittal.

\_\_\_\_\_ Show work to be accomplished during the rainy season.

\_\_\_\_\_ Label land use/vegetation of areas to remain undisturbed.

\_\_\_\_\_ Legend covering all wet weather symbols appearing on the drawing.

\_\_\_\_\_ Discharge water turbidity limits allowed.

\_\_\_\_\_ Sampling/Monitoring points as presented in the sampling plan.

\_\_\_\_\_ Delineate sensitive areas and their buffers (ex. steep slopes, wetlands, streams, etc.).

When the Wet Weather Plan proposes to use storm detention ponds, tanks or vaults built as part of the project as holding basins or settlement basins:

○ Plug the discharge pipe.

- Gravity flow from these structures is not permitted during the rainy season.
- This will prevent turbid water from leaving the site.

○ Provide a pumped discharge that will be attended during operation.

- The pump operator must be familiar with the pH and turbidity discharge limits from the site.

When pumps are proposed, provide pump type, capacity, power source, and back-up power source.

\_\_\_\_\_ Delineate the drainage basin contributing to each sediment pond and/or sediment trap.

Confirm that proposed erosion control BMP placement does not conflict with construction work.

Show location of wheel wash. Wheel wash per City of Redmond Detail 503A, or as approved by City of Redmond Inspector.

\_\_\_\_\_ Address pH adjustment process following concrete placement.

Show contour and spot elevation information sufficient to verify collection and transport to proposed treatment system.

Indicate the hierarchy of BMPs to be followed to ensure the performance specification is met.

Add contact name and 24-hour telephone number for the project CESCL or other person responsible for erosion control.

Plans shall be stamped by a professional engineer registered in the State of Washington.

Under special circumstances, where the plan does not include engineering design, the Wet Weather Committee may waive the requirement for a PE stamp.

\_\_\_\_\_ Include a secondary (back-up) treatment BMP

Required if primary treatment BMP is determined to be insufficient by the Wet Weather Committee.

For projects proposing chemical treatment include the following in the SWPP Plan (BMP C250)

- Method of treatment
- Treatment process including dosing rates
- Method of pH adjustment
- Method of testing for residual chemical following treatment
- Document Department of Ecology GULD approval for construction treatment

## Trucking

Some applicants have proposed trucking turbid stormwater as a primary or secondary BMP. Hauling turbid water for off-site disposal is generally discouraged because it is an inter-basin transfer. However, hauling may be considered where alternative BMPs are not available or effective. To be

considered as a Wet Weather Plan BMP a Haul Plan is required. The Haul Plan shall include the following:

Documentation showing the number of trucks and drivers available to transfer the 10- year 24-hour storm runoff volume. These resources must be available at all time for use on the subject project.

- \_ Provide copy of contract with trucking company if outside resources are proposed. Contract must specify duration of agreement, haul volume per trip and trips per day. Must specify capacity of each truck type and number of trained drivers available for the contract period. Specify the discharge location, provide the name and address of the receiving site. Include the discharge facility's Department of Ecology - Stormwater Discharge Permit number. In some cases, this may be a Stormwater Use Permit.

Updated 12/23/2020