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|  | | <h2 style="text-align: center;">STORMWATER COMPLIANCE INSPECTION REPORT</h2> <p style="text-align: center;">State of Washington Department of Ecology 15700 Dayton Avenue N, Shoreline, WA 98133</p> | | | WADOE Stormwater Phone: (425)758-3799 | | | | | | | | | | |
| Section A: General Data | | | | | | | | | | | | | | | |
| Inspection Date 3/7/2023 | NPDES Permit # WAR002227 | County King | Receiving Waters Duwamish | Inspector Jessica Kasmari David Adler | Facility Type Industrial | | | | | | | | | | |
| Discharges to: Surface Water <input checked="" type="checkbox"/> Ground Water <input checked="" type="checkbox"/> | | | | ANNOUNCED Technical Assistant Meeting | | | | | | | | | | | |
| Section B: Facility Data | | | | | | | | | | | | | | | |
| Name and Location of Site Inspected Glacier Northwest Inc/Cal Portland 3838 W Marginal Way Seattle, WA 98124 | | | Entry Time 8:55 | Permit Effective Date 01/01/2020 | | | | | | | | | | | |
| | | | Exit Time 10:30 | Permit Expiration Date 12/31/2024 | | | | | | | | | | | |
| On-Site Representative(s): Name(s)/Title(s)/Contact number(s) or E-mail Annie Ayre, Environmental Manager 206-620-4169 Dave Siemering, On-site Production Manager | | | Additional Participants: - - | | | | | | | | | | | | |
| Responsible Official(s): Annie Ayre, Environmental Manager 206-620-4169 3450 S. 344 th Way Suite 201 Federal Way, WA 98001 | | | Weather: Sunny 40°F Sampling and Photos <table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Samples Taken?</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Photos Taken?</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> | | | | | Yes | No | Samples Taken? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Photos Taken? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | Yes | No | | | | | | | | | | | | | |
| Samples Taken? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | |
| Photos Taken? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | |
| Section C: Summary of Findings/Comments | | | | | | | | | | | | | | | |
| <u>BACKGROUND</u> | | | | | | | | | | | | | | | |
| <p>Glacier Northwest is conditionally authorized to discharge stormwater under Ecology's Industrial Stormwater General Permit (ISGP # WAR002227). The purpose of this meeting is to provide onsite technical assistance. Ecology's stormwater unit has not conducted an inspection at this facility in recent history.</p> <p>Glacier Northwest is also known as the Cal Portland Seattle Aggerate Yard. They requested a meeting to provide technical assistance pertaining to the sampling of stormwater. J.Kasmari and D.Adler were given a walking tour of the facility, starting with the filtration bed. The site is graded for all stormwater to enter the filtration bed as seen in Photo 1. The water moves into the second area where the sand filters out the sediment then enters a French Drain. The sampling location is a vertical pipe entering into the French drain, the pipe is approximately 20 feet from the waters edge (Photo 2). There is a metal sheet wall along the river's edge to contain the water on-site, but it appears it is not preventing water from the river entering the site during high tide events. J. Kasmari asked, if any Glacier Northwest employee observed any turbid water entering the river, they have not seen any sheet flow going towards the river.</p> <p>The filtration bed and French drain system were installed prior to Annie Ayre and Dave Siemering working at Glacier Northwest facility. There are no known as-builts or engineering drawings, to understand the profile of the system or water table. The material below the surface is likely porous fill material.</p> <p>Glacier Northwest expressed concerns about the water they are sampling. During major storm events such as heavy rains for multiple days Glacier Northwest can definitively say the stormwater is a surface discharge. During hightide, they experience upwelling of the non-paved yard. It is a likely that the stormwater is infiltrating to groundwater and not discharging to surface water as described in the permit. The presence of upwelling is a possible indication of infiltration to groundwater and not the surface. The vertical sample pipe is located within the area of upwelling. Glacier Northwest would like to avoid a comingle sample of stormwater and river water. Glacier Northwest did install a vertical pipe near the filtration bed, in attempts to collect a representative sample of stormwater The pipe is typically dry, another indication all water is infiltrating to the subsurface.</p> <p>This is the 7th ISGP permit version for Glacier Northwest. It was mentioned that the Glacier property was larger and included the adjacent property, now General Construction WAR309232. It was thought, since that property is industrial and would need an ISGP, when it was split, both properties entered an ISPG. We discussed if an ISGP is the appropriate permit for this facility. Since no one can definitively say if they are sampling stormwater discharge. Glacier Northwest wants to remain</p> | | | | | | | | | | | | | | | |

under permit coverage. J.Kasmari will look into the possibility of a Sand and Gravel Permit. If this is not a possibility, Glacier Northwest, may attempt to find the active discharge in the subsurface. They may need to redesign the system which will take several years to get appropriate permits, construction permits, shoreline permits and city of Seattle permits, etc..

Site documents were sent electronically upon request and reviewed offsite. Annie Ayre provided the following records, electronically per my request: Site Map, SWPPP, and a copy of the Sand and Gravel Permit.

INSPECTION/OBSERVATIONS

Onsite Document Review: We only needed to look at a site map, as part of the discussion

Closing Meeting: J. Kasmari will look into and ask her colleagues about the possibility of transferring the ISPG into a Sand and Gravel Permit. If that is not a possible, Glacier Northwest will seek other options, to ensure the sample collected is stormwater from the facility. J.Kasmari encouraged Glacier Northwest to continue sampling as directed in the permit, but to conduct the sampling at low tide.

Follow Up: J.Kasmari spoke with the ISGP permit write. We agreed the site infiltrates into groundwater, therefore the sample point should be changed from surface water to groundwater. The DMR data should be reported as no discharge. BMPs will still be in place and the SWPPP will need to be updated to reflect the new changes.

Section D: Compliance/Recommendations

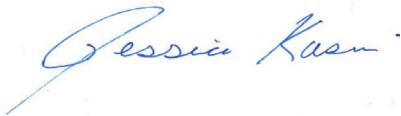
Recommendations: Ecology recommends sampling pH for internal use. To ensure the best management practices are working.

For questions about this report, please contact Ecology Inspector Jessica Kasmari at Jessica.Kasmari@ecy.wa.gov 425-758-3799 or Dept. of Ecology, Water Quality Program, 15700 Dayton Ave. N., Shoreline WA 98133.

For assistance with any of these compliance issues or recommendations regarding Best Management Practices see the Stormwater Management Manual for Western Washington, volumes IV and V (SWMM). To obtain a copy of the SWMM you may go to Ecology's website at: <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html>

The Department of Ecology has the authority to issue formal enforcement actions including issuance of orders and civil penalties of up to \$10,000 per day per violation for violations of your NPDES permit and/or state laws and regulations.

Signatures

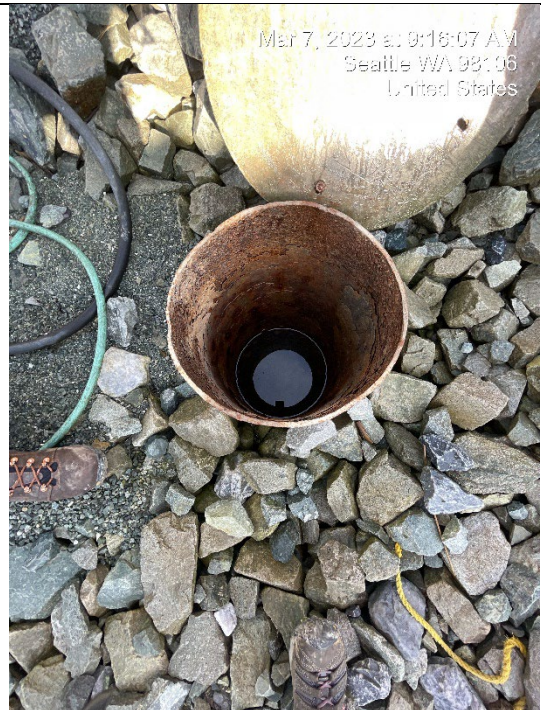
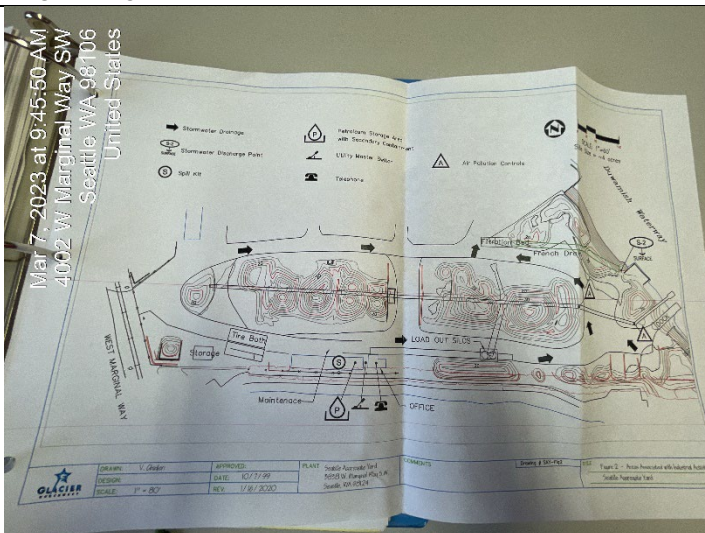


3/8/23

Jessica Kasmari
Industrial Stormwater Inspector
Water Quality Program

Date

PHOTO ADDENDUM – GLACIER NORTHWEST
ALL PHOTOS TAKEN BY JESSICA KASMARI ON 3/7/2023

**PHOTO 1****LOCATION: LOOKING TOWARD DUWAMISH****DESCRIPTION: Filtration Bed****PHOTO 2****LOCATION: approximately 20 feet from water's edge****DESCRIPTION: Sampling Location, S2****PHOTO 3****DESCRIPTION: Stormwater Flow Direction**