



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000  
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

July 27, 2017

Mr. Duke Spencer  
Solvay Chemicals  
3500 Industrial Way  
Longview, Washington 98632

**Re: June 2017 Announced Water Compliance Inspection Report – SWDP ST6070**

Dear Mr. Spencer:

I would like to thank Solvay Chemicals Longview for its assistance during the water compliance inspection without sampling on June 27, 2017.

Based on the inspection, I recommend that Solvay update the calibration procedures and recordkeeping to ensure the requirements of Special Conditions S2.C are met.

No enforcement actions will be taken as a result of this inspection at this time. Ecology appreciates Solvay's commitment to the health of the community and environment.

Enclosed is a copy of the inspection report. If you have any questions regarding the results of the inspection, please contact me at (360) 407-7563 or [shingo.yamazaki@ecy.wa.gov](mailto:shingo.yamazaki@ecy.wa.gov).

Sincerely,

Shingo Yamazaki  
Industrial Section  
Waste 2 Resources Program

Enclosure





State of Washington Department of Ecology  
Industrial Section  
Water Compliance Inspection Report

**Section A**

State Permit Number ST  <u>6</u>   <u>0</u>   <u>7</u>   <u>0</u>   <span style="margin-left: 20px;">Municipal <input type="checkbox"/></span> <span style="margin-left: 20px;">Industrial <input checked="" type="checkbox"/></span> <span style="margin-left: 20px;">IUs <input type="checkbox"/></span>	Permit Effective Date October 1, 2014
Recon <input type="checkbox"/> <span style="margin-left: 20px;">Inspection <input checked="" type="checkbox"/></span> <span style="margin-left: 20px;">Inspection <input type="checkbox"/></span> <span style="margin-left: 20px;">Unpermitted <input type="checkbox"/></span> <span style="margin-left: 20px;">Land Application <input type="checkbox"/></span> <span style="margin-left: 40px;">with Samples</span> <span style="margin-left: 40px;">Facility</span>	Permit Expiration Date September 30, 2019

**Section B**

Name and Location of Facility Inspected Solvay Chemicals, Inc. 3500 Industrial Way Longview, Washington 98632	County Cowlitz  Inspection Date June 27, 2017	Entry Time 10:45  Exit Time 12:05
Name(s) of On-Site Representative(s) Duke Spencer	Title(s) HSE Specialist	Phone Number(s) (360) 636-7797
Name, Address of Responsible Official Alicia Fuentes 3500 Industrial Way Longview, Washington 98632	Phone (360) 577-7566  Title Site Manager	Announced? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Section C**

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

N	Permit	S	Flow Measurement	N	Pretreatment	S	Operations/Maint.
S	Records/Reports	S	Laboratory	N	Compliance Schedules	N	Sludge Disposal
S	Facility Site Review	N	Effluent/Receiving Waters	S	Self-Monitoring Program	N	Other:

**Section D Summary of Findings**

**Inspection Findings:** I performed a water inspection without sampling at Solvay Chemicals, Inc. in Longview, Washington to determine the compliance status of the facility with respect to State Waste Discharge Permit ST6070. The inspection included a visual tour of the facility (discharge point, effluent settling tank, stormwater storage, Titan project addition, laboratory) and a document review.

The facility appeared to be in good order. The site glass at effluent treatment (sector H08) showed that the effluent had no color and was clear, indicating little to no working solution in the effluent.

The on-site laboratory does not require accreditation based on the parameters that are analyzed at the facility. The pH buffer solutions were inspected; none were expired.

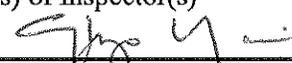
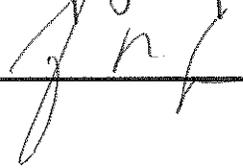
Special Condition S2.C(3) requires that continuous monitoring instruments be calibrated weekly. As part of Solvay's calibration procedure for the inline continuous pH probe, grab pH samples are collected/analyzed twice a day and compared to the measured values of the pH probe. If the variance exceeds a specified allowable range, the pH probe is re-calibrated. The standard operating procedure (SOP) for the pH probe calibrations indicates that calibrations are to occur on an "as needed" basis. The SOP should be updated to credit the facility for the twice-a-day calibration checks that are being performed by the facility. Maintenance records for the pH probe for the previous year were reviewed.

The continuous flow meter is sent out/replaced as needed. An inspection and performance check is performed every six months. Records of inspections performed over the previous year were reviewed.

The monthly stormwater inspections were reviewed. No deficiencies were noted. Catch basin sediment levels were checked during the June 2017 monthly inspection. Zero to six inches of sediment were observed in the catch basins across

the site.

**Recommended Actions:** I recommend that Solvay update the continuous pH probe SOP to take credit for the more frequent calibrations and to demonstrate compliance with Special Condition S2.C of SWDP ST6070.

Name(s) and Signature(s) of Inspector(s)	Section/Phone Number	Date
Shingo Yamazaki, P.E. 	Industrial / (360) 407-7563	7/13/17
Signature of Reviewer	Section/Phone Number	Date
Stephanie Ogle, P.E. 	Industrial / (360) 407-6355	7/13/17