



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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MAR 26 2019

Randy Bickle  
Applied Aero Systems, LLC  
10727 47<sup>th</sup> PI W  
Mukilteo, WA 98275-4702

Order Docket No.	16183
Site Location	10727 47 <sup>th</sup> PI W, Mukilteo, WA 98275

Re: Administrative Order

Dear Randy Bickle:

The Department of Ecology (Ecology) has issued the enclosed Administrative Order (Order) requiring Applied Aero Systems, LLC to comply with:

- Chapter 173-216 Washington Administrative Code (WAC) – State Waste Discharge Permit
- WAC Chapter 173-303 – Dangerous Waste Regulations
- Washington State Waste Discharge Permit number ST0501290

If you have questions please contact Biniam Zelelow at (425) 649-7127 or [bzel461@ecy.wa.gov](mailto:bzel461@ecy.wa.gov).

Sincerely,

Rachel McCrea  
Water Quality Section Manager  
Northwest Regional Office  
Washington State Department of Ecology

Enclosures: Administrative Order Docket No. 16183

By Certified Mail No.: 9171 9690 0935 0204 6827 40

cc: Central Files, Applied Aero Systems, LLC,  
Washington State Waste Discharge Permit No. ST0501290, WQ 6.4  
ec: Gerald Shervey, Ecology  
Gretchen Onstad, Ecology  
Rick Matthews and Brandon Henson, Mukilteo Water and Wastewater District

**STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY**

IN THE MATTER OF AN	)	ADMINISTRATIVE ORDER
ADMINISTRATIVE ORDER	)	DOCKET NO. 16183
AGAINST	)	
APPLIED AERO SYSTEMS, LLC	)	
RANDY BICKLE	)	

To: Randy Bickle  
Applied Aero Systems, LLC  
10727 47<sup>th</sup> PI W  
Mukilteo, WA 98275-4702

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The Department of Ecology (Ecology) has issued this Administrative Order (Order) requiring Applied Aero Systems, LLC (Applied Aero Systems) to comply with:

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RCW 90.48.120(2) authorizes Ecology to issue administrative orders requiring compliance whenever it determines that a person has violated or created a substantial potential to violate any provision of Chapter 90.48 RCW.

**DETERMINATION OF VIOLATION(s) AND ORDER TO COMPLY**

**Ecology's determination that violations have occurred or may occur is based on the violations listed below.**

An administrative order is being issued to your facility, Applied Aero Systems, to address violations of monitoring and reporting requirements, and to prepare and submit:

- A new state waste discharge permit application listing all core metal finishing processes performed at this facility. 40 CFR 403.10 (a) lists the six metal finishing operations on any basis material as follows: Electroplating, Electroless Plating, Anodizing, Coating (chromating, phosphating, and coloring), Chemical Etching and Milling, and Printed Circuit Board Manufacture.
- A slug discharge control plan
- A compliance sampling plan
- Best management practices for pollution prevention

Applied Aero Systems is authorized under Washington State Waste Discharge Permit number ST0501290 to discharge metal finishing wastewater (specifically wastewater from anodizing) to the Mukilteo Water and Wastewater District (MWWD) sanitary sewer system from Outfall 001. MWWD operates the Big Gulch WWTP. Applied Aero Systems must comply with the discharge limits and prohibitions set forth in Special Condition S1 and all other special and general conditions specified in the permit. Applied Aero Systems is limited to discharging 500 gallons per day. Big Gulch WWTP has a design capacity of 2.6 MGD.

**Violations and associated corrective actions:**

Violations description:

Ecology employees Mr. Biniam Zelelow and Ms. Chris Smith visited Applied Aero Systems on March 5, 2018, to conduct a water quality compliance inspection in response to the company not submitting discharge monitoring reports (DMRs). The inspectors noted several violations of the facility's state waste discharge permit, and more were uncovered following submission of the missing DMRs in November 2018 and February 2019, especially those violations listed in Table 1 for special conditions S1, S2, S3, S4, S5, S8, S10, and general condition G4.

- 1) During the March 5, 2018, compliance inspection of Applied Aero Systems, Biniam Zelelow observed that the facility was in violation of permit special condition S3.A (Reporting) and all subsections of permit special conditions S2 (Effluent Limitations). The permit effective date is July 1, 2016, but up to the time of the inspection in March 2018, the facility had never submitted any DMRs. The facility had no records of sampling the discharge, nor was it equipped to do so. The facility could not provide records documenting appropriate use of sampling techniques, field measurements, including flow measurement or estimation data of its wastewater discharge volume to the sanitary sewer. Ecology staff Chris Smith and Tonya Wolfe provided technical assistance to the facility to submit all past due DMRs required by the permit. The facility submitted some past due DMRs in November 2018, and additional past due DMRs on February 6, 2019, shown in Table 2.

Applied Aero Systems failed to take quarterly samples from the third quarter of 2016 (permit effective date was July 1, 2016) to the first quarter of 2018. The facility began taking quarterly samples as required from the 2<sup>nd</sup> quarter of 2018. In the DMRs submitted on February 6, 2019, the facility reported zinc exceedances in samples taken in April and May 2018 (Table 3). The maximum daily permit limit for zinc is 2.61 mg/L, but the reported values were 2.77 mg/L and 3.57 mg/L for April and May 2018, respectively. In addition, the laboratory methods used for monitoring silver and lead are not sensitive enough to detect a violation. On monthly DMRs from July to December of 2018, Applied Aero Systems reported silver below the method detection limit (<10 mg/L), but the detection limit is much greater than the maximum daily or quarterly average limit. Cyanide and Total Toxic Organics (TTO) were not monitored in 2018 (Table 4). Ecology requested Applied Aero System to provide laboratory reports for verification of use of accredited laboratory and appropriate analytical methods in accordance with 40 CFR Part 136 but the requested information was not provided to Ecology.

Applied Aero Systems has violated Permit special conditions S1 Discharge Limits, S2 Monitoring Requirements, and S3 Reporting and Recording Requirements, by failing to monitor and report required parameters until April of 2018 (Table 2), exceeding effluent

limits (listed in Table 3), using laboratory methods that cannot detect levels as low as effluent limits (Table 3), and failing to monitor required parameters (Table 4).

- 2) Applied Aero Systems lacks authorization for part of its discharge. The company applied for a state waste discharge permit in November 2014. Under Section B of the application, which requires listing of all manufacturing processes and products, and/or commercial activities, the facility lists anodizing as the only core metal finishing operation. In the permit application, Applied Aero Systems proposed to employ a batch treatment system to treat its wastewater from anodizing, as necessary. With this information, the permit and fact sheet also list anodizing as the only process employed at this facility. However, during a compliance inspection of the facility on March 5, 2018, Biniam Zelelow found that the facility does not have a batch treatment system. Moreover, the facility performs chromate conversion coating in addition to anodizing. This is significant because the in-line rinse water following chromate conversion coating baths contains hexavalent chromium. Hexavalent chromium requires specific methods, reagents, and equipment to meet pretreatment standards for this industry. During the inspection, the facility insisted that wastewater from the chromate conversion coating line is not discharged to the sanitary sewer. During their inspection in early 2018, Ecology's Hazardous Waste and Toxics Reduction (HWTR) program found that there were many containers outside the facility which contained chromium waste which may indicate that chromium waste is shipped off-site.

However, the facility's recently submitted DMRs show chromium values above the method detection limit (but below the permit limit) in April 2018 and October 2018. The chromium detects show that there is likely discharge from the chromate conversion coating operation. This constitutes an unauthorized discharge (RCW 90.48.080) and a violation of permit conditions S8 and G4.

- 3) The facility generates metal finishing wastewater from two lines of core metal finishing processes, namely anodizing and chromate conversion coating. As mentioned above, the facility does not have authorization to discharge from the chromate conversion coating line. Inspectors could not determine if wastewater from the chromate process is discharged to the sewer or disposed of as hazardous waste. Wastewater from these lines require treatment prior to discharge to sanitary sewer to reduce the toxicity of the hexavalent chromium. During the inspection, the facility could not adequately demonstrate that the rinse water from these lines is neutralized in an elementary neutralization unit nor treated in a wastewater treatment unit. This potentially violates permit special conditions S5.B(3 and 8), S5.C.(4) and WAC Chapter 173-303.
- 4) Applied Aero Systems does not have best management practices in place to prevent discharge of untreated wastewater. Required best management practices associated with proper operation and maintenance include quality assurance procedures such as maintaining a pH log. Additionally, the process area must have berms with sufficient depth to contain the entirety of tank volumes if they were to spill. Applied Aero System discharges wastewater using garden hose directly from the rinse tanks into an eye wash station connected with the sanitary sewer line. This violates permit special conditions S4 and S4.B.(8,10,12).

- 5) The permit requires Applied Aero Systems to prepare and maintain a slug discharge control plan. Prior to issuance of the permit, Ecology determined that Applied Aero Systems has a potential for slug discharges of pollutants to sanitary sewer. Slug discharge is defined in 40 CFR 403.8 (f)(2)(vi) as:

*“Any Discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch Discharge, which has a reasonable potential to cause Interference or Pass Through, or in any other way violate the POTW's regulations, local limits or Permit conditions.”*

During the inspection, Applied Aero Systems did not have a slug discharge control plan available for review. Lack of a slug discharge control plan is a violation of permit special condition S10.

**Table 1. Permit violations cited since inspection of Applied Aero Systems on March 5, 2018**

<b>Violation</b>	<b>RCW, WAC or Permit Section</b>
1. Outfall 001 not sampled at location prior to discharge to MWWWD <ul style="list-style-type: none"> <li>a. No records kept from July 2016 to March 2018 of flow, pH, cadmium, chromium, copper, lead, nickel, silver, zinc, cyanide, nor TTO</li> <li>b. All DMRs from the start of the permit cycle were submitted late and with considerable effort from multiple Ecology staff including headquarters</li> <li>c. Zinc limits exceeded in April and May 2018. Laboratory methods cannot detect violations of silver and lead effluent limits. Flow and pH not monitored with required frequency.</li> </ul>	S1. <i>Discharge Limits</i> S2. <i>Monitoring Requirements</i> S3.A. <i>Reporting Requirements</i>
2. Chromate conversion coating process in operation <ul style="list-style-type: none"> <li>a. Unauthorized process at facility</li> <li>b. Chromium detected in discharge. Potential unpermitted discharge of rinse water from chromate conversion coating process</li> </ul>	S8 <i>Application for Permit Renewal or Modification for Facility Changes</i> , which is derived from <b>WAC 173-216-110(5)</b> G4 <i>Reporting a Cause for Modification</i> , which is derived from <b>WAC 173-216-040(2)</b> and <b>RCW 90.48.110</b> <b>RCW Chapter 90.48.080</b>
3. Discharge of potentially dangerous waste	S5.B&C <i>Prohibited Discharges</i> <b>WAC Chapter 173-303</b>
4. Lack of BMPs to prevent untreated discharge to MWWWD <ul style="list-style-type: none"> <li>a. No pH log kept for wastewater discharges</li> <li>b. No berms installed around wet processing areas</li> <li>c. No pretreatment system (other than pH adjustment)</li> </ul>	S4.B.(8,10,12) <i>Best Management Practices/Pollution Prevention Program</i>
5. Lack of a Slug Discharge Control Plan	S10. <i>Slug Discharge Control Plan</i>

TTO = Total Toxic Organic Compounds; DMRs = Discharge Monitoring Reports; BMPs = Best Management Practices

**Table 2. Late DMRs Submitted on November 10, 2018, and on February 6, 2019**

DMR	Begin Date	End Date	Due Date	Received Date	Days Late
July 2016	7/1/2016	7/31/2016	8/28/2016	11/10/2018	804
3 <sup>rd</sup> Qtr 2016	7/1/2016	9/30/2016	10/28/2016	11/10/2018	743
2 <sup>nd</sup> Half 2016	7/1/2016	12/31/2016	1/28/2017	11/10/2018	651
August 2016	8/1/2016	8/31/2016	9/28/2016	11/10/2018	773
September 2016	9/1/2016	9/30/2016	10/28/2016	11/10/2018	743
October 2016	10/1/2016	10/31/2016	11/28/2016	11/10/2018	712
4 <sup>th</sup> Qtr 2016	10/1/2016	12/31/2016	1/28/2017	11/10/2018	651
November 2016	11/1/2016	11/30/2016	12/28/2016	11/10/2018	682
December 2016	12/1/2016	12/31/2016	1/28/2017	11/10/2018	651
January 2017	1/1/2017	1/31/2017	2/28/2017	11/10/2018	620
1 <sup>st</sup> Qtr 2017	1/1/2017	3/31/2017	4/28/2017	11/10/2018	561
1 <sup>st</sup> Half 2017	1/1/2017	6/30/2017	7/28/2017	11/10/2018	470
February 2017	2/1/2017	2/28/2017	3/28/2017	11/10/2018	592
March 2017	3/1/2017	3/31/2017	4/28/2017	11/10/2018	561
April 2017	4/1/2017	4/30/2017	5/28/2017	11/10/2018	531
2 <sup>nd</sup> Qtr 2017	4/1/2017	6/30/2017	7/28/2017	11/10/2018	470
May 2017	5/1/2017	5/31/2017	6/28/2017	11/10/2018	500
June 2017	6/1/2017	6/30/2017	7/28/2017	11/10/2018	470
July 2017	7/1/2017	7/31/2017	8/28/2017	11/10/2018	439
3 <sup>rd</sup> Qtr 2017	7/1/2017	9/30/2017	10/28/2017	11/10/2018	378
2 <sup>nd</sup> Half 2017	7/1/2017	12/31/2017	1/28/2018	11/10/2018	286
August 2017	8/1/2017	8/31/2017	9/28/2017	11/10/2018	408
September 2017	9/1/2017	9/30/2017	10/28/2017	11/10/2018	378
January 2018	1/1/2018	1/31/2018	2/28/2018	11/10/2018	255
1 <sup>st</sup> Qtr 2018	1/1/2018	3/31/2018	4/28/2018	11/10/2018	196
February 2018	2/1/2018	2/28/2018	3/28/2018	11/10/2018	227
March 2018	3/1/2018	3/31/2018	4/28/2018	11/10/2018	196
April 2018	4/1/2018	4/30/2018	5/28/2018	11/10/2018	166
May 2018	5/1/2018	5/31/2018	6/28/2018	11/10/2018	135
June 2018	6/1/2018	6/30/2018	7/28/2018	11/10/2018	105
July 2018	7/1/2018	7/31/2018	8/28/2018	11/10/2018	74
August 2018	8/1/2018	8/31/2018	9/28/2018	11/10/2018	43
October 2017	10/1/2017	10/31/2017	11/28/2017	2/6/2019	435
4 <sup>th</sup> Qtr 2017	10/1/2017	12/31/2017	1/28/2018	2/6/2019	374
November 2017	11/1/2017	11/30/2017	12/28/2017	2/6/2019	405
December 2017	12/1/2017	12/31/2017	1/28/2018	2/6/2019	374
1 <sup>st</sup> Half 2018	1/1/2018	6/30/2018	7/28/2018	2/6/2019	193
2 <sup>nd</sup> Qtr 2018	4/1/2018	6/30/2018	7/28/2018	2/6/2019	193
3 <sup>rd</sup> Qtr 2018	7/1/2018	9/30/2018	10/28/2018	2/6/2019	101
September 2018	9/1/2018	9/30/2018	10/28/2018	2/6/2019	101
October 2018	10/1/2018	10/31/2018	11/28/2018	2/6/2019	70
November 2018	11/1/2018	11/30/2018	12/28/2018	2/6/2019	40
December 2018	12/1/2018	12/31/2018	1/28/2019	2/6/2019	9
4 <sup>th</sup> Qtr 2018	10/1/2018	12/31/2018	1/28/2019	2/6/2019	9
2 <sup>nd</sup> Half 2018	7/1/2018	12/31/2018	1/28/2019	2/6/2019	9



**Table 3. Effluent Limit Violations for Outfall 001**

Sampling Date	Parameter	Measurement	Limit	Units	Limit Type
April 2018	Zinc	2.80	1.48	mg/L	Average Quarterly
April 30, 2018	Zinc	2.77	2.61	mg/L	Maximum Daily
May 11, 2018	Zinc	3.57	2.61	mg/L	Maximum Daily
July 2018	Silver	< 10	0.24	mg/L	Average Quarterly
July 9, 2018	Silver	< 10	0.43	mg/L	Maximum Daily
August 16, 2018	Lead	< 2	0.69	mg/L	Maximum Daily
August 16, 2018	Silver	< 10	0.43	mg/L	Maximum Daily
September 5, 2018	Silver	< 10	0.43	mg/L	Maximum Daily
October 2018	Silver	< 10	0.24	mg/L	Average Quarterly
October 4, 2018	Silver	< 10	0.43	mg/L	Maximum Daily
November 14, 2018	Silver	< 10	0.43	mg/L	Maximum Daily
December 20, 2018	Silver	< 10	0.43	mg/L	Maximum Daily

**Table 4. Monitoring Violations for Outfall 001**

Monitoring Period	Parameter	Violation
Semiannual period January 2018 – June 2018	Cyanide and Total Toxic Organics (TTO)	Analysis not Conducted
Semiannual period July 2018 – December 2018	Cyanide and Total Toxic Organics (TTO)	Analysis not Conducted

**Corrective actions required:**

For these reasons and in accordance with RCW 90.48.120(2), it is ordered that Applied Aero Systems, LLC take the following actions.

***1) Submit a new state waste discharge permit application within 60 days of receipt of this order***

In accordance with permit special condition S8 and permit general condition G4, Applied Aero Systems must submit a new permit application fully and accurately listing all core metal finishing operations performed at this site within 60 days of receipt of this administrative order. Specifically, the anodizing and chromate conversion coating operations and any other core metal finishing operations as defined in 40 CFR 403.10 (a) must be listed in the application. In accordance with RCW 90.48.170, Applied Aero Systems must provide a description of all its operations, the quantity and type of waste material sought to be disposed of, and the proposed method of disposal. **Until a new application is received and the proposed discharge approved by the Department of Ecology, Water Quality Program, Applied Aero Systems must sample every batch discharge to sanitary sewer, and submit analytical sample results to Ecology showing that the effluent meets all discharge limits listed in permit special condition S1.**

**2) *Submit plans for segregation of metal finishing rinse water streams and sludge dewatering and disposal, within 90 days of receipt of this order***

The main pollutants of concern at this facility are copper, zinc, nickel, chromium, and pH. Copper and zinc may come from the type of aluminum alloys that may be anodized. Nickel acetate sealant is used at this facility to seal the porous anodized metal finish. Hexavalent chromium is generated from the chromic acid used in the chromate conversion coating or Chem Film as is commonly known as by the industry.

*If no pretreatment system is proposed in item number 1 above, Applied Aero Systems must provide a separate plan to Ecology on segregating rinse waters from the anodizing and chromate conversion lines.*

- a. Applied Aero Systems must provide a plan for segregation, collection, and off-site disposal of the chromate bearing wastewater.
- b. Applied Aero Systems must provide a plan for segregation, collection, and neutralization of the anodizing line rinse water. Your April and May 2018 DMRs show zinc values exceeding the permit limit. Anodizing rinse water may be neutralized and discharged but Applied Aero Systems must demonstrate that the anodizing rinse line contains consistently lower levels of metals relative to those levels listed in 40 CFR 433.17 and any Mukilteo Water and Wastewater District limits.
- c. The wastestream segregation plan must include final effluent collection in a properly sized underground sump or above ground tank and a plan that assures that final pH meets permit limits before discharge to sanitary sewer takes place.
- d. Applied Aero Systems must institute a system, such as a filter press, to dewater sludges from the neutralization tank. The plan must include means of solid cakes disposal in accordance with state dangerous waste regulations under WAC 173-303.

*Note:* Unless Applied Aero Systems installs a batch treatment system or other non-chemically aided treatment systems such as ion exchange to treat any metal bearing wastewater, Applied Aero Systems cannot discharge spent finishing solutions or blowdown from finishing processes into the sanitary sewer until the facility constructs a wastewater treatment facility in accordance with provisions of WAC 73-240. Applied Aero Systems may only discharge from the anodize rinse tanks associated with these processes after proper neutralization and pH recording has been completed. If sample data shows this to contain metals above permit limits, the discharge must cease immediately.

**3) *Prepare a slug discharge control plan, within 90 days of receipt of this order***

Applied Aero Systems must prepare a slug discharge control plan in accordance with permit special condition S10 and submit this plan to Ecology for review and approval within 90 days of receipt of this administrative order. Permit condition S10.B lists minimum required slug discharge control plan components.

**4) *Prepare a compliance sampling plan, within 90 days of receipt of this order***

Applied Aero Systems must prepare a compliance sampling plan and submit it to the Department of Ecology. This is in accordance with permit special conditions S2.B, S2.C, and S2.D. Applied Aero Systems is required to comply with the provisions of the submitted plan. The plan must be maintained in a hard copy format at the facility.



The plan must include, at a minimum, the following:

**1. Sampling procedures related to measuring and recording flow**

- a. Description of location of the flow meter.
- b. Description of location of recording device and location of operating manual, including calibration procedures.
- c. Specification of frequency of calibration of flow meter and recording device.
- d. Provisions for conversion of meter measurement units, if necessary, and statement of measurement units of flow meter output.
- e. Method of logging flows, such as by manual recording of meter readings in a log, or by means of electronic recording, or mechanical (e.g. paper strip or disk) recording.
- f. Designation of title of person or individual directly responsible for ensuring that flow measurement and recording equipment is employed to obtain representative samples, and procedure of providing for backup personnel.

**2. Procedures related to collecting samples for metals analysis**

- a. Description of location of sample point.
- b. Description of minimum volume sample required to be collected and means of ensuring that the sample collected is consistent with the minimum volume required.
- c. Description of material and volume capacity of sample container, and means of ensuring and adequate inventory of sample containers is maintained on-site or is otherwise available.
- d. Description of procedures for labeling sample container.
- e. Chain-of-custody procedures.
- f. Designation of title of person, or individual directly responsible for ensuring that samples are collected, and procedure of providing for backup personnel.
- g. Provisions for ensuring that sample is delivered to laboratory in a manner consistent with holding time.
- h. Provision that samples must be analyzed by an accredited laboratory and designation of the specific laboratory and backup laboratory, with addresses and telephone numbers for laboratories.
- i. Designation of analytical method to be used by the analytical laboratory (see permit appendix A).

**3. Procedure related to measuring and recording pH**

- a. Description of location of pH monitoring probe.
- b. Description of location of pH monitoring recorder.
- c. Detailed procedures for cleaning, conditioning, and periodic replacement of pH probe.
- d. Detailed procedures for calibrating probe.
- e. Description of location of manufacturer's manual for probe and recorder.
- f. Procedure for ensuring that inventory of replacement probes and standard pH buffer solutions is available.
- g. Procedure for troubleshooting pH measurement and recording device (or arranging for repair by outside party) if equipment becomes inoperable.

**5) *Construct berms around process tanks within 120 days of receipt of this order***

In accordance with permit special condition S4.B.10, Applied Aero Systems must locate process tanks in a bermed area capable of containing a minimum of 110% of the volume of the largest tank within the bermed enclosure.

### **ELIGIBILITY FOR PAPERWORK VIOLATION WAIVER AND OPPORTUNITY TO CORRECT**

Under RCW 34.05.110, small businesses are eligible for a waiver of a first-time paperwork violation and an opportunity to correct other violations. We have made no determination as to whether you meet the definition of a “small business” under this section. However, we have determined that the requirements of RCW 34.05.110 do not apply to the violation(s) due to a conflict with federal law or program requirements, including federal requirements that are a prescribed condition to the allocation of federal funds to the state.

### **FAILURE TO COMPLY WITH THIS ORDER**

Failure to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

### **YOUR RIGHT TO APPEAL**

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. “Date of receipt” is defined in RCW 43.21B.001(2).

To appeal, you must do both of the following within 30 days of the date of receipt of this Order:

- **File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.**
- **Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.**

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320.

### **ADDRESS AND LOCATION INFORMATION**

<b>Street Addresses</b>	<b>Mailing Addresses</b>
<b>Department of Ecology</b> Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	<b>Department of Ecology</b> Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
<b>Pollution Control Hearings Board</b> 1111 Israel Road SW STE 301 Tumwater, WA 98501	<b>Pollution Control Hearings Board</b> PO Box 40903 Olympia, WA 98504-0903

#### CONTACT INFORMATION

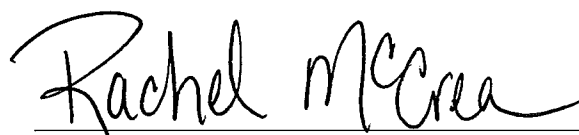
Please direct all questions about this Order to:

Biniam Zelelow  
Department of Ecology  
Northwest Regional Office  
3190 – 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008-5452  
Phone: 425-649-7127  
Email: bz461@ecy.wa.gov

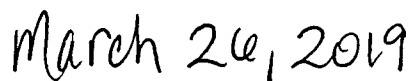
#### MORE INFORMATION

- Pollution Control Hearings Board Website: <http://www.eluho.wa.gov/Board/PCHB>
- Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board: <http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- Chapter 371-08 WAC – Practice And Procedure:  
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>
- Chapter 34.05 RCW – Administrative Procedure Act:  
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>
- Ecology's Laws, rules, & rulemaking website:  
<https://ecology.wa.gov/About-us/How-we-operate/Laws-rules-rulemaking>

#### SIGNATURE



Rachel McCrea  
Water Quality Section Manager  
Northwest Regional Office  
Washington State Department of Ecology



Date