



AIR OPERATING PERMIT

Olympic Region Clean Air Agency
2940 Limited Lane NW
Olympia, WA 98502
(360) 539-7610 or 1-800-422-5623

ISSUED IN ACCORDANCE WITH:

40 CFR Part 70, Chapter 70.94 RCW, and Chapter 173-401 WAC

PERMIT NO: 15AOP1129
ISSUANCE DATE: September 1, 2016
EXPIRATION DATE: September 1, 2021

PERMITTEE, FACILITY LOCATION & MAILING ADDRESS: Crown Cork & Seal Company, Inc.
1202 Fones Road
Olympia, WA 98501

FACILITY DESCRIPTION: Aluminum beverage can manufacturer

ORCAA File #: 152
PRIMARY SIC: 3411
NAICS: 332431

APPLICATION NUMBER: 17REV1198
DATE APPROVED: March 9, 2017

PREPARED BY: Jennifer DeMay 3/9/17
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APPROVED BY: Francea L. McNair 3/9/17
Francea L. McNair, Executive Director



Addendum Number 1 - Minor Modification

In accordance with WAC 173-401-725, Air Operating Permit 15AOP1129 is revised by minor permit modification to incorporate the conditions from Notice of Construction # 16MOD1178 into Crown Cork and Seal's AOP. Conditions PW14, AR2.1, M13 and RK15 now read as follows:

REQ #	Applicable Requirement Citations	Applicable Requirement Description (for information purposes only)	Reference Method (if applicable)	Required Monitoring Provisions
PW14	00NOC027 Condition 1; 16MOD1178 Condition 2	<p>Can Washer Solution Requirements: The owner or operator shall limit the consumption of sulfuric acid and hydrofluoric acid used to formulate the can washer solution as follows:</p> <ul style="list-style-type: none"> a) The total cumulative use of low concentration sulfuric acid used to formulate the can washing solution shall not exceed 50,000 gallons per consecutive 12-month period; b) The low concentration sulfuric acid shall contain no more than 60 percent sulfuric acid by weight; c) <i>(removed)</i> d) The can washing solution, as purchased, shall contain no more than 5 percent by weight of hydrogen fluoride; and e) The total cumulative use of high concentration sulfuric acid (sulfuric acid with a concentration of greater than 60% by weight) used to formulate the can washing solution shall not exceed 5,000 gallons in any consecutive 12-month period. 	None	M13

REQ #	Applicable Requirement Citations	Applicable Requirement Description (for information purposes only)	Reference Method (if applicable)	Required Monitoring Provisions
AR2.1	16MOD1178 Condition 5	<p>Can Washer O&M: An Operation and Maintenance (O&M) Plan that includes procedures specific to operation and maintenance of the Line B can washer shall be devised and kept on site.</p>	None	Recordkeeping only (RK13)

M13. Monitoring Compliance with Can Washing Solution Limits. The permittee shall monitor compliance with Condition PW14 on at least monthly basis by monitoring the actual amount of low concentration sulfuric acid (less than 60% sulfuric acid by weight)-and high concentration sulfuric acid (greater than 60% sulfuric acid by weight) consumed in the can washer. The permittee shall compute the actual amount of can washing solution used over the previous month and previous 12-consecutive month period based on company records and a monthly inventory of the washing solutions. Prior to purchase or acceptance of any washing solutions, the permittee shall verify, based on safety data sheets or certificates of analysis, that the washing solutions purchased or accepted meet the concentration standards specified in Condition PW14.

[WAC 173-401-615(1)(a); 00NOC027 Condition 1; 16MOD1178 Condition 3]

RK15. Material Use Records. In addition to standard requirements for monitoring records, the permittee shall maintain the following records with respect to material usage:

- a) **SDS.** Certificates of Analysis or Safety Data Sheets (SDS) for all materials used at the facility containing VOC and/or HAPs (excluding janitorial and office supplies).
- b) **Emissions Logs.** On a monthly basis the following facility-wide emission totals shall be recorded:
 - i) Monthly total of VOC emissions from the previous month;
 - ii) Cumulative total of VOC emissions from the facility over the previous 12 consecutive month period;
 - iii) Monthly total of emissions of each individual HAP emitted from the facility;
 - iv) Cumulative total emissions of each individual HAP emitted from the facility over the previous 12 consecutive month period;
 - v) Monthly total of all HAP emissions combined from the previous month; and,
 - vi) Cumulative total of all HAP emissions combined from the facility over the previous 12 consecutive month period.
- c) **Material Use Logs.** On a monthly basis the following material use totals shall be recorded:
 - i) Actual amount of low concentration sulfuric acid (less than 60% sulfuric acid by weight), hydrofluoric acid, and high concentration sulfuric acid (greater than 60% sulfuric acid by weight) consumed in the can washer for the previous month;
 - ii) Actual amount of low concentration sulfuric acid (less than 60% sulfuric acid by weight), hydrofluoric acid, and high concentration sulfuric acid (greater than 60% sulfuric acid by weight) over the previous 12 consecutive month period.
- d) **Purchase Invoices.** Records for all materials purchased (including can washing solutions) during the previous 12-month period, which contain VOC and/or HAPs (excluding janitorial supplies). Purchase invoices shall reference a specific SDS or Certificate of Analysis, which characterizes the material purchased.
- e) **Subpart WW Performance Testing.** The results of all monthly performance testing required by Condition M14. Where only coatings which individually have a VOC content equal to or less than the limits specified under Conditions AR4.1, AR7.1, and AR9.1 are used, and no VOC is added to the coating during the application or distribution process,

the record shall include a list of the coatings used for each affected facility and the VOC content of each coating calculated from data determined using Method 24 or supplied by the manufacturers of the coatings.

[WAC 173-401-615(1)(b) & (2); 00MOD063 Condition 2; 05NOC420, Condition 2 and 3; 16MOD1178 Condition 4; §60.7(f)]

[END OF DOCUMENT]