



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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September 17, 2018

Mr. Cristian Dumitrescu, Environmental, Health and Safety Manager
Ocean Spray Cranberries Inc.
1480 State Route 105
Aberdeen, WA 98520

**Re: Site Inspection - National Pollutant Discharge Elimination System (NPDES) Permit
Number WA0003217**

Dear Mr. Dumitrescu:

I would like to thank everyone for their time during my inspection of Ocean Spray Cranberries Inc., facility on July 17, 2018. I am sending you a copy of my inspection report. If you have any questions regarding this inspection report, please contact me at azizullah.mahar@ecy.wa.gov or (360) 407-6290.

Sincerely,

Aziz Mahar, P.E.
Environmental Engineer
Southwest Regional Office
Water Quality Program

Enclosure: Inspection report with photos



Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code		NPDES				yr/mo/dy				Inspection Type				Inspector				Facility Type			
1 N	2 5	3 W	A 0	0 0	3 2	1 7	1 1	8 0	7 1	7	18 C				19 S				20 2		
Remarks																					
21																			66		
Inspection Work Days				Facility Self-Monitoring Evaluation Rating				B1				QA				-----Reserved-----					
67 0	0 2	69					70 3				71 N			72 N		73	74	75	80		

Section B: Facility Data

Name and Location of Facility Inspected: Ocean Spray Cranberries Inc. 1480 State Route 105 Aberdeen, WA 98520	Entry Time/Date 10:06 AM 07/17/2018	Permit Effective Date: 04/01/2011
	Exit Time/Date 1:30 PM 07/17/2018	Permit Expiration Date: 03/31/2016
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number Mr. Cristian Dumitrescu, EHS Manager Phone Number: 360-589-0222 Fax Number: 360-648-2353	Other Facility Data (<i>e.g., SIC NAICS, and other description information</i>) SIC Code 2033	
Name, Address of Responsible Official/Title/Phone and Fax Number Brett Imsland, Plant Director Phone Number: 360-648-2513 Fax Number: 360-648-2354	Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input checked="" type="checkbox"/> Laboratory	<input type="checkbox"/> Stormwater	
<input type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

Introduction

On July 17, 2018, I visited the Ocean Spray Cranberries Inc. (Ocean Spray) facility in Markham, Washington. During this site visit, I met with Troy Gillespie & Valeria Husted, wastewater treatment plant operators, and Cristian Dumitrescu, EHS manager. The purpose of this site visit was to conduct an inspection of Ocean Spray facility's wastewater treatment plant and also discuss the permit renewal process. Mr. Cristian Dumitrescu greeted me at Ocean Spray facility's entrance. I started my inspection of Ocean Spray's facility by reviewing their industrial processing operations and related waste streams. Ocean Spray process whole cranberries into juice concentrate and sweetened dried cranberries (SDCs). Mr. Cristian Dumitrescu stated that Ocean Spray uses tanker trucks to ship their cranberry juice concentrate to Henderson Nevada, Sulphur Springs Texas and occasionally to Kenosha, Wisconsin for blending juice into bottled juice products. Juice concentrate production occurs 24 hour per day 7 days per week.

The current permit has authorized Ocean Spray to discharge their treated industrial wastewater and domestic wastewater to Johns River Estuary. The current NPDES permit requires Ocean Spray to conduct a sampling analysis for Total Suspended Solids (TSS), Biochemical Oxygen Demand (BOD5), Total Residual Chlorine (TRC), Ammonia and pH. Ocean Spray is required to comply with the permit conditions/limits for TSS, BOD5, fecal coliform, TRC, and pH. The current BOD5 and TSS applicable limits are mass based. During my

site visit, I reviewed Ocean Sprays Discharge Monitoring Reports (DMRs) and sampling analysis laboratory reports. After completing the review of paper work, I proceeded to inspect their industrial and domestic wastewater treatment system.

Wastewater Treatment Plant

Industrial wastewater stream –the source of industrial process wastewater includes juice/SDC production, cooling towers and cranberry cleaning and some stormwater that comes into contact with Ocean Spray's processing activities. The process wastewater generated at the facility is gravity flow into the influent pump/sump station (Photo # 1). From this point, process wastewater is pumped to the rotary screen for coarse solid removal (Photo #2). The solids that are separated in the prescreening operation (rotary screen) are collected into a trash dumpster and this dumpster is hauled by a permitted company, to the transfer station in Aberdeen. The process water is then pumped to the aerated lagoon (Photo #3). This process water combines with the domestic wastewater at the aeration lagoon.

Domestic wastewater – Ocean Spray currently employees about 114 people and they have their own onsite domestic wastewater treatment system. Ocean Spray directs this wastewater to the septic sump (Photo #4), septic storage tank (Photo # 5) and then this wastewater is chlorinated (Photo # 6) before it is discharged to the aerated lagoon.

Combined wastewater treatment

The combined, industrial and domestic wastewater from the aerated lagoon goes to clarifier (Photo #7) with settled solids either recycled back to the aeration lagoon or sent as waste sludge to belt thickeners (Photo #8). The process sludge is land applied and this is permitted through Grays Harbor County Health Department. Ocean Spray has UV disinfection system (Photo #9) in place to disinfect the wastewater before it is discharged to Johns River Estuary. Photo #10, shows ammonia, turbidity and pH monitoring system.

Permit Verification

Ocean Spray has a current National Pollutant Discharge Elimination System (NPDES) permit. Ocean Spray has submitted the permit renewal application on time and the Department of Ecology is in the process of renewing their permit.

Verify Latitude and Longitude

Latitude and Longitude were not verified.



Name and Signature of Inspector Aziz Mahar, P.E. 	Agency/Office/Phone Numbers Ecology/SWRO (360) 407-6290	Date 9-6-2018
Name and Signature of Management Reviewer  Steven G. Eberl, P.E.	Ecology/SWRO 360 -407-6293	Date 9-6-2018

Photo 1 of 10: Industrial process water sump



Photo 2 of 10: Rotary screen



Photo 3 of 10: Aerated lagoon



Photo 4 of 10: Domestic wastewater influent sump



Photo 5 of 10: Domestic wastewater septic tank



Photo 6 of 10: Domestic wastewater chlorination chamber



Photo: 7 of 10: Clarifier



Photo 8 of 10: Belt thickener



Photo 9 of 10: UV disinfection system



Photo 10 of 10: Ammonia, turbidity and pH monitoring units

