



State of Washington Department of Ecology  
Northwest Regional Office  
**STORMWATER COMPLIANCE INSPECTION  
REPORT**

WADOE Stormwater  
Compliance Inspection Form  
(last file update 4-04.)

Facility Type:  Shipyard  
 Industrial  Boatyard  
 Construction  S & G

Section A: General Data

Inspection Date January 4, 2023	NPDES Permit # <b>WA0032166</b>	County Island	Receiving Waters Homes Harbor via upland infiltration pond
Discharges to: Surface Water <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/>		Weather at time of inspection: Sunny, mid 50°F	

Section B: Facility Data

Name and Location of Facility Inspected ICE FLOE LLC DBA Nichols Brothers 5400 S Cameron Road, Freeland, WA 98249	Entry Time 9:50 am	Permit Effective Date 07/01/2021
	Exit Time 11:00 am	Permit Expiration Date 06/30/2026 Permit extended for 5yrs in 2021.

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)  
Tom Atkins, Principal Water Resources Engineer  
Direct: 206.838.5850

Name, Address of Responsible Official/Title/Phone and Fax Number.  
Shawn Hiday, Stormwater Manager  
PO Box 580  
Freeland WA 98249-0580

Phone Number 360.331.5500 Contacted?  Yes  No

Other Participants:

	Yes	No
Samples Taken?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Photos Taken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Section C: Areas Evaluated During Inspection.

<input type="checkbox"/> NPDES Permit Available	<input type="checkbox"/> Wet & Dry Season Inspection Reports	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Effluent/Receiving Water
<input type="checkbox"/> Storm Water Pollution Prevention Plan Available	<input type="checkbox"/> Employee Training Records	<input type="checkbox"/> Oil/Water Separator	<input type="checkbox"/> Pretreatment
<input type="checkbox"/> SPCC Plan & Equipment	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Solid Waste Disposal	<input type="checkbox"/> Laboratory
<input type="checkbox"/> Erosion and Sediment Control Plans	<input type="checkbox"/> Monitoring Plan	<input type="checkbox"/> Catch Basins	<input type="checkbox"/> 0.5 inch Inspection Logs
<input type="checkbox"/> DMR Submittals	<input checked="" type="checkbox"/> Fuel/Chemical Storage	<input type="checkbox"/> Track out / Wheel wash	<input checked="" type="checkbox"/> Stormwater
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Flow measurement	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section D: Summary of Findings/Comments

**BACKGROUND**

ICE FLOE LLC DBA Nichols Brothers (NBBB) is covered under Individual Industrial NPDES permit No. WA0032166. NBBB operates a ship construction facility that also does ship repair.

**INSPECTION**

This was an announced inspection. The purpose of this inspection was to gain familiarity with the site in general and to understand different parts in the permit. Ecology facility manager Joey Jiang and Maia Hoffman met with Tom Atkin from Aspect Consulting and Shawn Hiday from NBBB at the Front Office. We met in the employee parking lot on the morning of January 11, 2023. The weather was in the mid 50's and sunny.

We first arrived at the storage area where all hazardous materials are stored. The storage shed has a sloped cover. Afterwards, we stopped by at the water quality treatment system, which consists of a detention tank, sand filter, granular activated carbon filtration system (GAC) and the electrocoagulation (EC) treatment system. We went into the operation room, which has monitor screens and meters that shows the real-time water level in the treatment system. We also climbed up to the top of the detention tank, where stormwater is being stored in the first stage of the treatment system. Joey Jiang asked Shawn if the path to infiltration pond is accessible but was told the path is covered by weeds and not accessible at the moment.

We then walked to the northwest of the property where the two pumps are located. The north end has a small ditch, which is parallel to the Shoreview Ave. It collects surface stormwater runoff from the fabrication area. The hatch of the pumps is submerged in surface water, and is half opened.

**Compliance Concerns**

1. Fuel container on the ground without secondary containment see photo 1.

Recommendation: Move the fuel container to an area with secondary containment. (Permit Special Condition S11.D and H)

2. Scrap metals and loose gravel on the ground see photo 4.

Recommendation: The yard must be cleaned on a regular basis to minimize the possibility that stormwater runoff will carry sandblasting grit or other debris into the treatment system. (Permit Special Condition S11.E)

3. Standing water next to the detention tank see photo 5.

Recommendation: Drain the standing water and investigate where the water come from. Remove solids from the hatch and close the hatch door when it's not used. General housekeeping BMPs should be applied. (Permit Special Condition S11.F)

**CONCLUSIONS**

The facility was generally clean but had some compliance concerns that needed attention.

Please address the compliance concerns listed in the previous section and provide photo documentation within 15 days of receiving this report.

Joey Jiang, facility manager, should be contacted at 206-507-8283 with permit related questions.

Attachments: Photos

Copies to: PARIS, WQ 6.1

Name(s) and Signatures of Inspector(s) Joey Jiang, PE, CPESC	Agency/Office/Telephone WA Dept. of Ecology/ NW Regional Office/ 206-507-8283 PO Box 330316 Shoreline, WA 98133-9716	Date May 24, 2023
Signature of Management Q A Reviewer Monika Kannadauli. PE.CPESC <i>Monika Kannadaguli</i>	Agency/Office/Phone and Fax Numbers WA Dept. of Ecology/ NW Regional Office/ 206-594-0000 PO Box 330316 Shoreline, WA 98133-9716	May 26, 2023

**ANNOUNCED** Inspection

--	--



Photo 1.

Date: January 4, 2023  
Taken by: Maia Hoffman

Description: Storage area. Fuel tank on the ground without secondary containment.



Photo 2.

Date: January 4, 2023  
Taken by: Maia Hoffman

Description: Sand filters on the left and GAC on the right.

Photo 3.

Date: January 4, 2023  
Taken by: Maia Hoffman



Description: EC units in the operation room.



Photo 4.

Date: January 4, 2023  
Taken by: Maia Hoffman

Description: Ditch and sandbags on northeast corner of the property. Scrap metals on the ground. Standing water in the ditch as well as gravel on the pavement.

Photo 5.

Date: January 4, 2023



Taken by: Maia Hoffman

Description: Water detention tank. Standing water on the ground with half-opened hatch.



Photo 6.

Date: January 4, 2023  
Taken by: Joey Jiang

Description: Pipes configuration inside the EC treatment system operation room. Pipe has rust over it.