ENVIRONMENTAL CAP AND DRAINAGE SYSTEM INSPECTION REPORT

FORMER LOUISIANA PACIFIC/PONY LUMBER FACILITY

Prepared for
PORT OF TACOMA
ONE SITCUM PLAZA
TACOMA, WA 98421
June 15, 2022
Project No. M0615.24.001

For submittal to
WASHINGTON STATE DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE
TOXICS CLEANUP PROGRAM
300 DESMOND DRIVE SE
LACEY, WA 98503

Enforcement Order No. DE 92TC-S312 (December 21, 1992)
Washington State Department of Ecology Facility Site ID # 1209
Inspection Dates: February 24, 2022

MAUL FOSTER ALONGI

Prepared by
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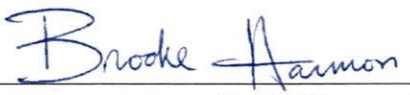
ENVIRONMENTAL CAP AND DRAINAGE SYSTEM INSPECTION REPORT

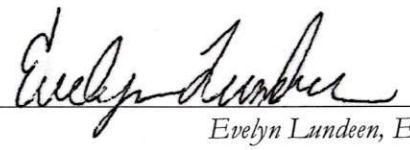
FORMER LOUISIANA PACIFIC/PONY LUMBER FACILITY

The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.



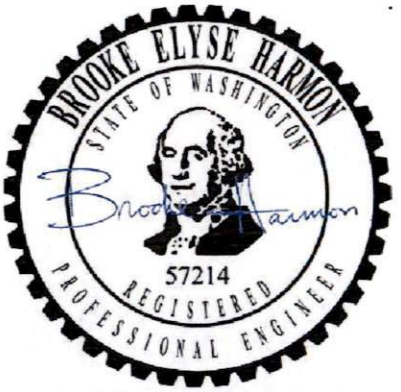
Brooke Harmon, PE
Project Engineer



Evelyn Lundeen, EIT
Staff Engineer

CERTIFICATION

I hereby certify that I am familiar with the facilities addressed in this report and that the inspection was conducted in accordance with acceptable engineering practices.



This digital seal certifies the signatory and document content.

06-15-2022

Brooke Harmon, PE
Project Engineer

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FIGURES AND TABLES

FOLLOWING REPORT:

FIGURES

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ACRONYMS AND ABBREVIATIONS

Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
inspections	environmental cap and drainage system inspections
ISGP	Industrial stormwater general permit
LP Pony	Former Louisiana Pacific/Pony Lumber Facility
MFA	Maul Foster & Alongi, Inc.
O&M	operations and maintenance
Port	Port of Tacoma
Site	3701 Taylor Way, Tacoma, WA
WWLS	Wallenius Wilhelmsen Logistics Services, LLC

1 INTRODUCTION

This report summarizes the field activities and results for the environmental cap and stormwater drainage system inspection conducted on behalf of the Port of Tacoma (Port) for Former Louisiana Pacific/Pony Lumber Facility (LP Pony). LP Pony is located at 3701 Taylor Way in Tacoma, Washington (the Site) (Figure 1). The facility is owned by the Port and operated by Wallenius Wilhelmsen Logistics Services, LLC (WWLS). The ground surface at LP Pony is covered by an environmental cap and has several stormwater drainage features, further described in this report.

Inspection activities were conducted in accordance with the requirements identified in Enforcement Order (EO) No. DE 92TC-S312 issued by the Washington State Department of Ecology (Ecology) to the Port (Ecology, 1992) and the operations and maintenance manual (Louisiana Pacific Corporation, 2000) with the exception that cracks wider than 1/8 inch were noted, rather than only those wider than ½ inch.

1.1 Purpose and Scope

The purpose of this report is to present the findings of the 2022 environmental cap and stormwater drainage system inspection at LP Pony. The purpose of the environmental cap is to prevent surface water infiltration, exposure of humans and the environment to underlying materials, and erosion. The stormwater drainage system is used to convey stormwater off the cap surfaces to prevent infiltration and erosion.

Maul Foster & Alongi, Inc. (MFA), performed the inspection on February 24, 2022, which included the following tasks:

- Inspection of the asphalt/concrete pavement for the presence of cracks or other failures in the pavement that allow surface water runoff to infiltrate the bark/slag surficial fill (e.g., cracks greater than 1/8 in. wide, sub-base material exposed, pavement edge deterioration, and general appearance).
- Evaluation of the structural and functional condition of the cap and drainage systems (including catch basins, maintenance holes, and oil/water separators).
- Evaluation of debris/sediment accumulation in the stormwater structures (if visible).

The inspection observations are presented in this report.

1.2 Facility Background

LP Pony encompasses approximately 18 acres. Between 1968 and 1969, approximately 1,800 tons of Asarco smelter slag was used as fill at the property to build stable ground for machinery. In 2004, Louisiana Pacific sold the property to Pony Lumber Company, which sold it to the Port in 2006. The Port has been the current property owner since then. The property is operated by WWLS as an

equipment storage yard. WWLS stores heavy machinery and accessories in uncovered areas across the cap.

Between November 1983 and June 1984, Ecology collected stormwater runoff samples at the Site (Norton and Johnson, 1985). Analytical results from stormwater samples indicated that metal concentrations above the U.S. Environmental Protection Agency (EPA) quality standards were discharged from the Site in stormwater. It was concluded that Asarco slag was leaching contaminants and that LP Pony's stormwater was contributing contamination in Hylebos Creek and the Hylebos Waterway, which run adjacent to the property.

In 1987, Ecology issued an order requiring a site investigation, groundwater investigation, and feasibility study; the results of these studies were presented in a site investigation report (CH2M Hill, 1987). In 1990, Ecology issued Remedial Action Order No. DE 90-S170, requiring Louisiana Pacific to evaluate the effectiveness of capping as a cleanup method and to prepare a cap design for the Site (Ecology, 1990). In 1993, following the issuance of the Engineering Design Report (CH2M Hill, 1993) and under Enforcement Order DE92TC-S312, Louisiana Pacific constructed a low-permeability concrete cap and stormwater drainage system on the Site. A restrictive covenant was recorded for the Site in 1993, limiting activities that may interfere with or reduce the effectiveness of the cleanup action and requiring that the Site be used only for industrial uses (Louisiana-Pacific Corporation, 1993).

In November 2016, Ecology conducted a periodic review of post-cleanup site conditions and site data to ensure that human health and the environment were protected on the Site. The review determined that the remedial actions conducted at the Site continue to be protective of human health and the environment (Ecology, 2016).

Groundwater monitoring has been conducted at monitoring wells since 1995 to monitor the effectiveness of the remedial action. Groundwater quality is monitored every 18 months (Ecology, 2011). The last groundwater monitoring event was conducted in February 2022 (described in a separate report [MFA, 2022]).

The Port is required to conduct environmental cap and drainage system inspections (inspections) every 30 months (Ecology, 2011). The last inspection was conducted in August 2019 (Windward, 2019). Cracks and other damage that were recommended for repair and monitoring were identified in the 2019 inspection. Repairs were completed in April 2022 to erosion near the east corner of the property, outside of the fenced cap area, Ecology was notified of prior to commencement of the work and after completion of work.

2 FIELD OBSERVATIONS

MFA conducted the 2022 inspection at LP Pony on February 24, 2022, noting new observations and following up on the results of the previous inspection. The inspection was led by a Washington State licensed professional engineer.

2.1 Environmental Cap

Inspectors were able to observe a majority of the paved surfaces with the exception of pavement located along the northern border of the Site. Pavement in this area was covered with WWLS inventory that limited inspectors' ability to observe pavement conditions. The locations of facility features and the LP Pony Site boundary are shown in Figure 2. Photographs depicting cap issues are provided in Table 1.

The cap generally showed consistent wear across the Site, with most of the damaged asphalt located in the portions of the Site used for heavy equipment storage. A slurry seal was previously applied over cracks running across the cap; the slurry seal is showing signs of wear and damage consistent with the previous inspection. Damage observed to the slurry seal appears to be the result of heavy equipment and includes chipping, cracking, divots, and flaking. No exposed sub-base material was observed during the inspection.

Cracking wider than 1/8 inch observed across the cap generally run parallel with rows of equipment. Several linear cracks were identified as being previously sealed, but the sealant has since worn to a point where there is visible unsealed gapping in cracks wider than 1/8 inch. Linear cracking in areas with old slurry seal was the primary damage observed across the Site during the inspection; a few areas with alligator cracking (interlaced or interconnected cracks) and divots were also observed. There are 17 sections of curb with damage, including several portions with cracks that extend through the vertical profile of the curb.

Two areas of erosion were observed near the cap edge (Table 1). The first erosion area, located along the fence line near MH12, shows subgrade undercut concrete. There does not appear to be cracking or damage to the cap at this time, but if erosion continues to undercut the cap, the cap may fail due to stress. The second area of erosion, located outside of the fence near catch basin CB1, included some gravel and concrete chunks observed outside of the fence near catch basin CB1.

The table below provides a summary of the cap conditions observed during the 2022 inspection; observations, photographs, and recommended actions keyed to specific locations are presented in Table 1 following this report.

Environmental Cap Conditions and Recommended Actions

Required Inspection Element	Observed Condition	Recommended Action
Presence of cracks wider than 1/8 inch	Cracks wider than 1/8 inch were observed across the equipment storage area.	Repair pavement areas shown in Figure 2 and described in Table 1.
Pavement edge deterioration	17 areas of curb damage were observed along cap edge.	Locations of pavement edge deterioration are shown in Figure 2 and described in Table 1. Repair as recommended in Table 1.
Sub-base material exposed	Exposed subbase was observed in one area with cap erosion	Locations of exposed sub-base material are shown in Figure 2 and described in Table 1
Degradation, subsidence, general appearance	General wear of slurry seal observed across cap.	Reseal areas as recommended in Table 1.

2.2 Stormwater Drainage System

The stormwater drainage system consists of 4 catch basins, 19 maintenance holes, 2 oil/water separators, and 6 treatment basins. In 2022, each drainage system component was inspected for general appearance, sediment and debris accumulation, and structural and functional condition. In general, the stormwater features were structurally sound and functioning normally. Most structures inspected contained water which limited the ability to see and assess sediment accumulation. MH3 was not successfully located during the previous 2019 inspection due to vegetation overgrowth in the area believed to contain the structure. The structure was not located during the 2022 inspection for the same reason. Catch basin CB4 and maintenance hole MH5 were not inspected due to a tight-fitting grate and locked maintenance hole cover respectively. Table 2 summarizes the observations made at each drainage structure.

3 STATUS AND RECOMMENDATIONS

3.1 Maintenance and Repair Performed Since Previous Inspection

3.1.1 Environmental Cap

The 2019 inspection report (Windward, 2019) recommended the following repairs:

- Apply sealant in crack at pavement observation location P1
- Repair curb on at observation location C3 where damage extended through vertical profile
- Patch cracked concrete at pavement observation location P2

As described in Section 2.1 and Table 1, the recommended repair items have not yet been completed.

3.1.2 Stormwater Drainage System

In general, the stormwater system appears to be functioning normally and effectively draining the environmental cap. The 2019 inspection report (Windward, 2019) recommended the following maintenance:

- Removal of accumulated sediment, debris, sheen, and floatables in catch basins and maintenance holes
- Consider replacement of bolts on maintenance hole lids located outside of facility fence
- Consider pumping out the oil/water separators to inspect and check for corrosion
- Removal of accumulated sediment and debris from treatment basins and screens

- Recommended removal of vegetation and dirt accumulated dirt around the assumed location of maintenance hole MH3 to locate structure

Some of the above maintenance issues were either not addressed since the last reporting period or are reoccurring. The tenant holds an Industrial Stormwater Permit and performs inspections and maintenance on the stormwater infrastructure as required by the permit. Section 2.2 and Table 2 described current repair/maintenance items observed during the 2022 inspection.

3.2 Recommendations

3.2.1 Environmental Cap

The following recommendations are based on this 2022 inspection:

- Repair curb with breaks through vertical profile, including observation areas C3, C4, C5, C7, C14, and C16 (Figure 2).
- Seal cracks identified for repair in Table 1.
- Fill the void beneath concrete slab at observation location E1.
- Repair concrete at location P2 (Figure 2). This location was not accessible during the 2022 inspection but based on site knowledge has not been repaired since first observed during the 2019 inspection.

Concrete across the cap was generally in satisfactory condition, with unsealed cracks identified across the facility. Size and frequency of unsealed cracks increased in areas of high vehicle traffic, including near the Site entrance. Slurry seal applied during previous cap repairs is showing wear exposing previously sealed cracks. It is recommended that these cracks be resealed as significant portions of missing sealant were observed in cracks wider than 1/8 inch across the Site. Required and recommended actions are described in further detail in Table 1.

3.2.2 Stormwater Drainage System

The following recommendations are based on this 2022 inspection:

- Remove garbage and debris from maintenance hole MH10 (Figure 2).
- Restore accessibility/grate fit of catch basin CB4.
- Remove sediment accumulation from maintenance holes MH1, MH2, MH8, MH10, MH15, MH16, MH17 and MH18 (Figure 2).
- Remove floatables and organic sheen from maintenance holes as identified in Table 2.
- Remove debris, sediment accumulation, and vegetation growth from treatment basins.
- Replace damaged and/or missing screens from treatment basins, as identified in Table 2.
- Repair curb of Treatment Basin TB1 and replace debris screen in front of grate.

- Clear vegetation from suspected location of maintenance hole MH3 to facilitate future inspection (Figure 2).
- Replace filter inserts in all catch basins.
- Pump out oil water separators and have inspected for corrosion.

Floatables and organic sheen was observed in several maintenance hole and catch basin structures. Structures should be cleaned in accordance with stormwater maintenance requirements. Catch basin inserts had sediment and debris accumulation which warrants replacement. Stormwater structures were generally in good condition and recommendations are limited to regular cleaning and maintenance procedures as outlined in the operations and maintenance manual (Louisiana Pacific Corporation, 2000) and as required by the tenant's stormwater permit. Required and recommended actions are further described in Table 2.

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Observations in this report are limited to environmental cap areas that were visible to the MFA field team. In some instances, portions of the cap surface may have been covered and not readily available for inspection. Inspection of stormwater structures was limited to observations made from the surface and by means of direct observation, probes (extendible poles to check for sediment), and photography. No confined space entry was performed. Observation of some stormwater structures was also limited by storm flow and/or the presence of damaged or sediment-laden catch basin inserts that could not be safely removed. No guarantee is made that all cap or stormwater deficiencies that could impact cap/drainage system performance were identified.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

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CH2M Hill. 1987. Site investigation report.

CH2M Hill. 1993. Engineering report—Tacoma log sort yard RCC cap.

Ecology. 1990. Remedial Action Order No. DE 90-S170. Washington State Department of Ecology.

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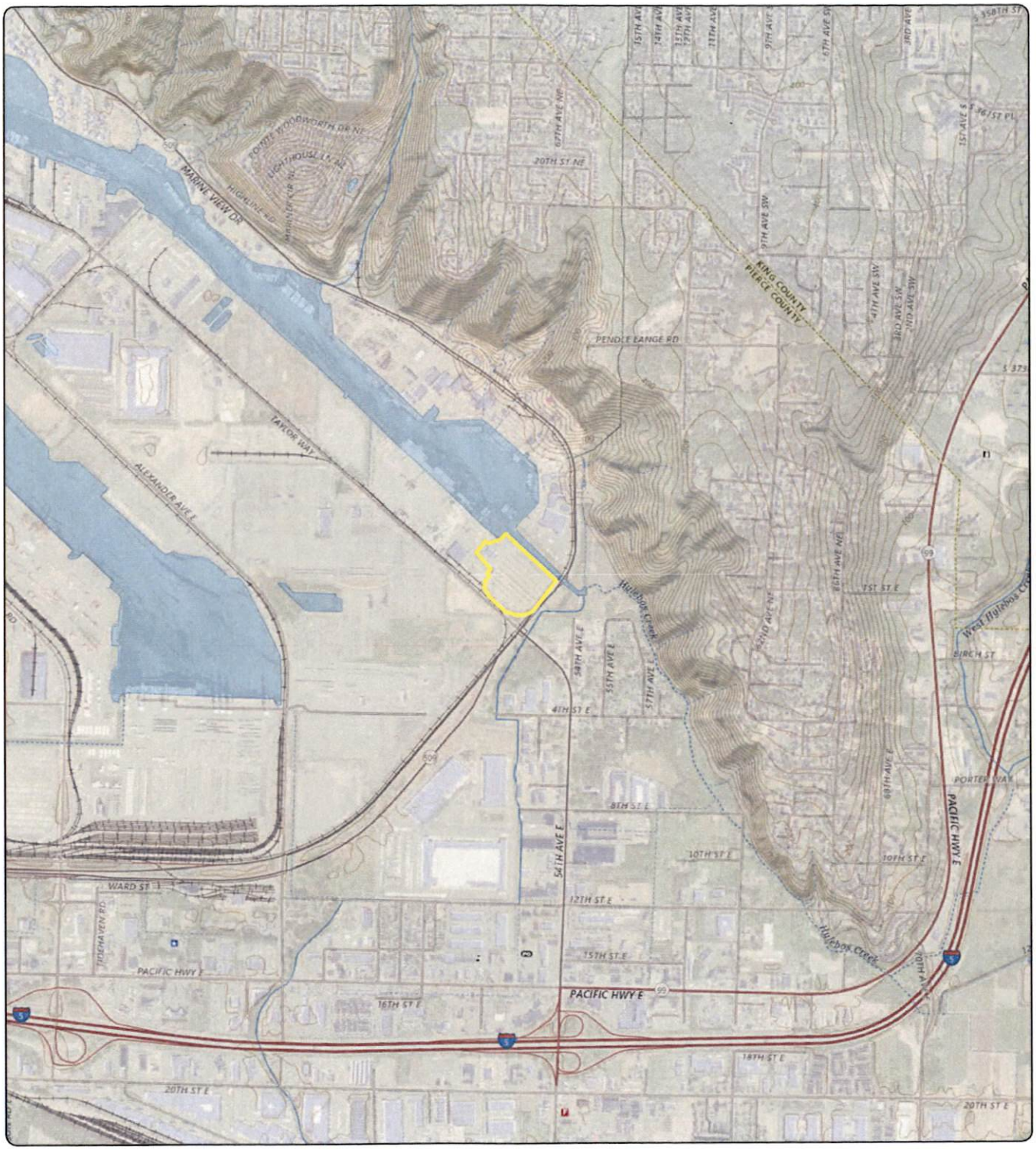
Norton, D., and A. Johnson. 1985. Completion report on WQIS Project 1 for the Commencement Bay nearshore/tideflats remedial investigation: assessment of log sort yards as metal sources to Commencement Bay waterways, November 1983 to June 1984. Washington State Department of Ecology memorandum. February 27.

Windward, Landau. 2019. Port of Tacoma environmental cap inspection report. Former Louisiana Pacific/Pony Lumber facility. Windward Environmental LLC and Landau Associates, Seattle, WA.

FIGURES



Source:
U.S. Geological Survey (2021) 7.5-minute topographic quadrangle: Poverty Bay; Township 21 north, range 3 east, section 36; Property boundary obtained from Pierce County GIS.

Legend

Site Boundary

Figure 1
Site Location

Former Louisiana Pacific-Pony Lumber
Tacoma, Washington

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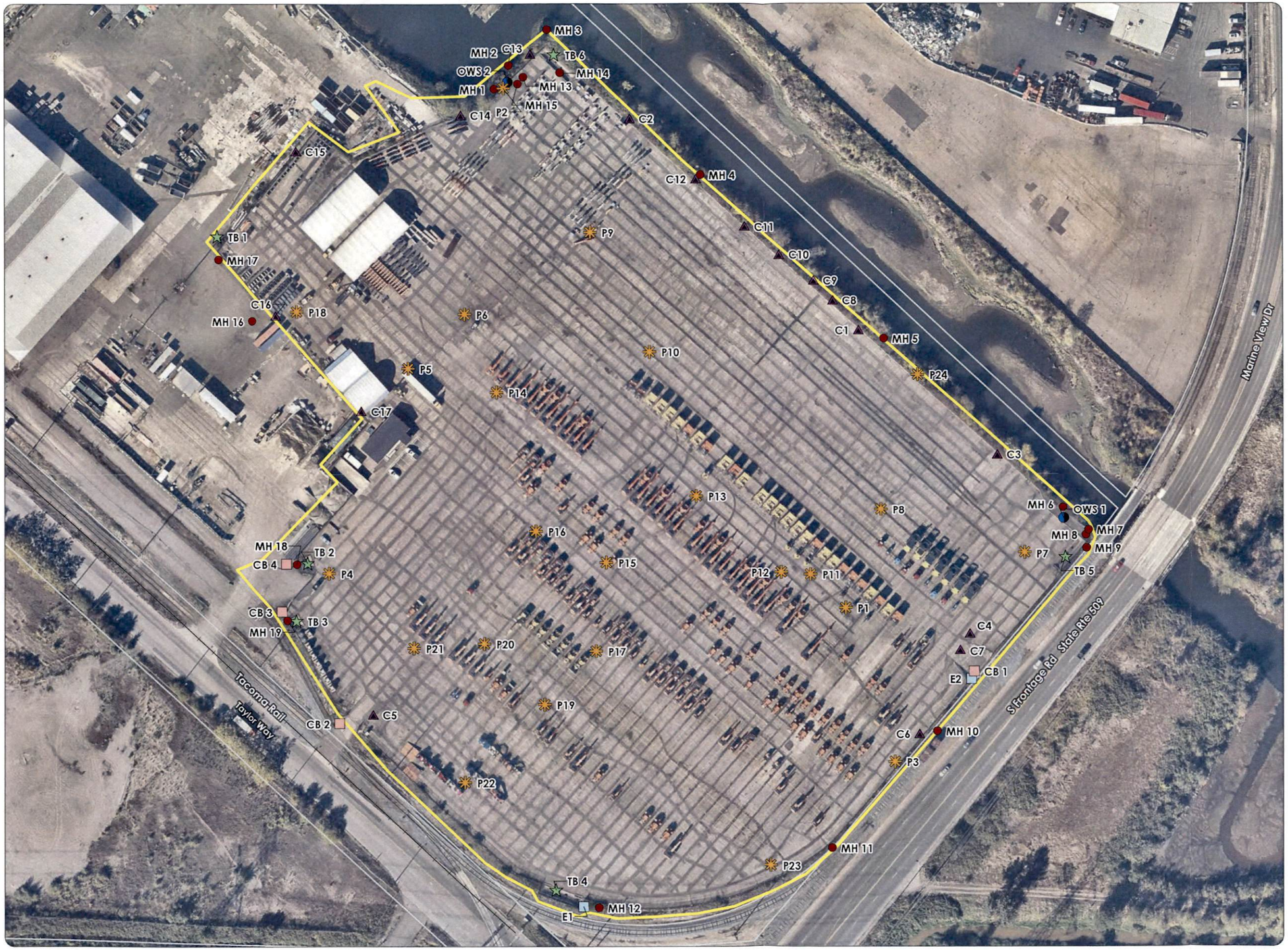
0 1,000 2,000
Feet

Path: X:\0615_24\001\Pro\0615_24_001_003.aprx
Print Date: 4/28/2022
Reviewed By: cwise
Produced By: jroberts
Project: M0615.24.001

Figure 2
Environmental Cap Observations

Former Louisiana Pacific-Pony Lumber
Tacoma, Washington



Legend

Observation Type

- Catch Basin
- Curb Observation
- Erosion Observation
- Maintenance Hole
- Oil Water Separator
- Pavement Observation
- Treatment Basin
- Site Boundary
- Tax Lot

Note:
Inspection performed on February 24, 2022.

0 100
Feet

Source:
Aerial photograph obtained from Mapbox; tax lot data obtained from Pierce County GIS; monitoring well locations obtained from Anchor QEA site plan figure

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TABLES

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Project Name: Environmental Cap and Drainage System Inspection Report
Project Number: M0624.24.001
Location: Louisiana Pacific/Pony Lumber Facility

Table 1: Environmental Cap Issues Observed During 2022 Inspection

ID	Type of Structure	Observation	Recommended Actions	Photographs
C1	curb	curb damage extending approximately 4 feet; damage limited to top 2-3 inches of curb; curb continues to function to control runoff	monitor and reevaluate for repair during next inspection cycle	
C2	curb	curb damage extending approximately 2 feet; damage limited to top 2 inches of curb; loose pieces falling out; curb continues to function to control runoff	monitor and reevaluate for repair during next inspection cycle.	

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Project Name: Environmental Cap and Drainage System Inspection Report
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ID	Type of Structure	Observation	Recommended Actions	Photographs
C3	curb	curb damage through vertical profile; concrete crumbling and loose pieces falling out	repair curb	
C4	curb	piece of curb approximately 2 feet long broken off from end of curb; does not appear to be impacting drainage	Remove loose debris; monitor and reevaluate during next inspection cycle.	

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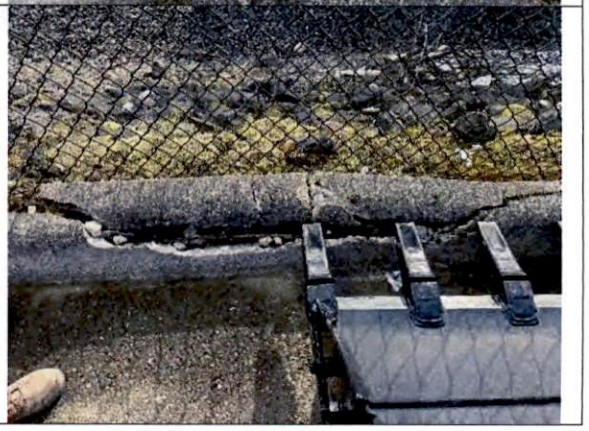
ID	Type of Structure	Observation	Recommended Actions	Photographs
C5	curb	curb damage approximately 3 feet long at end of curb; rebar exposed and chunks of curb missing; does not appear to be impacting drainage	Remove loose debris; monitor and reevaluate during next inspection cycle.	
C6	curb	curb damage approximately 4-5 feet long; exposed rebar and cracked top; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
C7	curb	piece of curb approximately 2 feet long broken off from end of curb; does not appear to be impacting drainage.	Remove loose debris; monitor and reevaluate during next inspection cycle.	
C8	curb	piece of curb with chunk of concrete missing from top 2 inches of curb; does not appear to be impacting drainage.	monitor and reevaluate during next inspection cycle	

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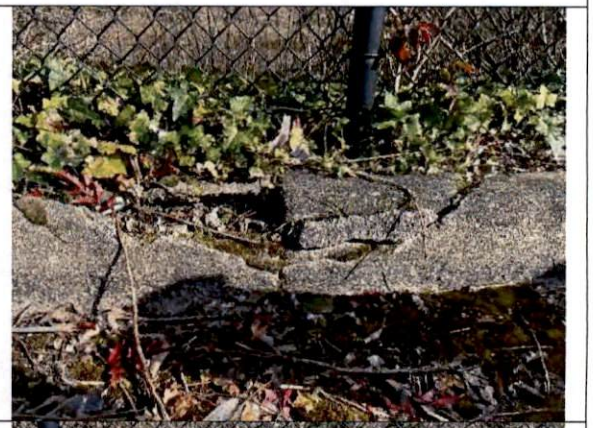
ID	Type of Structure	Observation	Recommended Actions	Photographs
C9	curb	curb damage approximately 3 feet long; chunks of concrete breaking; damage limited to top 2-3 inches; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	
C10	curb	curb damage approximately 2 feet long; chunks of concrete breaking off; damage limited to top 4-5 inches of curb; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	

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Project Name: Environmental Cap and Drainage System Inspection Report
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ID	Type of Structure	Observation	Recommended Actions	Photographs
C11	curb	curb damage approximately 2 feet long; damage limited to top 2-3 inches; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	
C12	curb	curb damage approximately 1 foot long; damage limited to top 2-3 inches; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
C13	curb	curb damage approximately 3 feet long; chunks of concrete breaking off; damage limited to top 2-3 inches; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	
C14	curb	curb damage through vertical profile	repair curb	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
C15	curb	curb damage approximately 3 feet long; exposed rebar; damage limited to top 2-3 inches; does not appear to be impacting drainage	monitor and reevaluate during next inspection cycle	
C16	curb	curb damage approximately 5 feet long; multiple breaks through vertical profile	repair curb	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
C17	curb	approximately 4 feet long section of curb removed for installation of stairs and gate; damage through vertical profile adjacent to missing section	extend curb or add a structural control to prevent stormwater runoff from sheet flowing off-site	
E1	cap edge	material eroding from underneath cap near treatment basin 4	fill void under concrete slab to prevent further erosion and/or cap failure	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
E2	cap edge	potential erosion near cap boundary; concrete chunks and gravel debris observed near cap edge	monitor and reevaluate during next inspection cycle	
P1	pavement	crack wider than 1/8 inch, approximately 12 lf; sealant missing in some places	reseal crack	
P2	pavement	unable to locate; suspected covered underneath equipment	observe during next inspection cycle	[no photograph]

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P3	pavement	missing chunk of previous slurry seal; approximately 1 foot by 1 foot long	monitor and reevaluate for repair during next inspection cycle	
P4	pavement	damage to old asphalt patch; crack approximately 1 inch wide along seam of patch	monitor and reevaluate for repair during next inspection cycle	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P5	pavement	sealant wear in crack network; approximately 100 square feet across; sealant missing in portions of sealed alligator cracks	reseal cracks	
P6	pavement	unsealed crack wider than 1/8 inch; two adjacent cracks approximately 200 lf	seal cracks	

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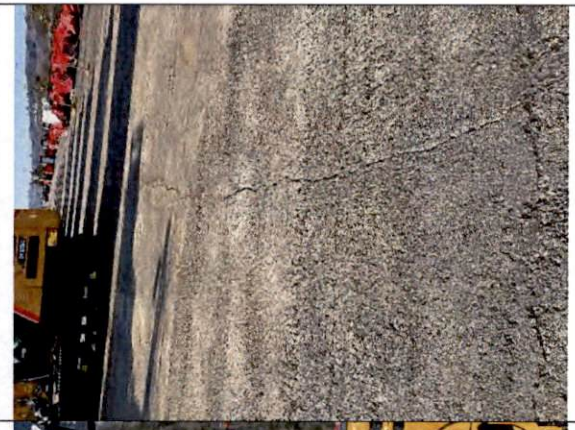
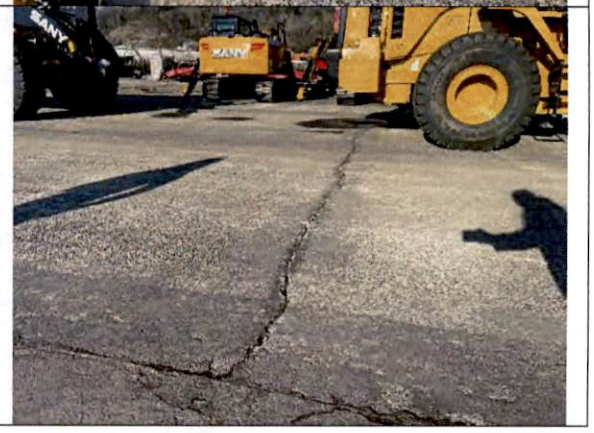
ID	Type of Structure	Observation	Recommended Actions	Photographs
P7	pavement	unsealed crack wider than 1/8 inch; approximately 100 lf	seal crack	
P8	pavement	partially unsealed crack with vegetation growth; approximately 50 lf; previously sealed but sealant missing in places	remove vegetation and reseal crack	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P9	pavement	slurry seal wear chipping and cracking	monitor and reevaluate for repair during next repair cycle	
P10	pavement	partially unsealed crack as wide as 4 inches in places; extends length of equipment row several hundred feet; previously sealed but sealant missing in places	reseal crack	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P11	pavement	unsealed crack wider than 1/8 inch; approximately 20 lf	seal crack	
P12	pavement	pock marks in pavement; approximately 1 inch deep	monitor and reevaluate for repair during next inspection cycle	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P13	pavement	pock marks in pavement; approximately 1 inch deep	monitor and reevaluate for repair during next inspection cycle	
P14	pavement	unsealed crack as wide as 1.5 inches in some places; approximately 15 lf	seal crack	

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ID	Type of Structure	Observation	Recommended Actions	Photographs
P15	pavement	unsealed crack wider than 1/8 inch; approximately 15 lf; previously covered with slurry seal, but seal has degraded	reseal crack	
P16	pavement	unsealed crack wider than 1/8 inch; approximately 20 lf; previously covered with slurry seal, but seal has degraded	reseal crack	

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Project Name: Environmental Cap and Drainage System Inspection Report
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ID	Type of Structure	Observation	Recommended Actions	Photographs
P17	pavement	unsealed crack wider than 1/8 inch; approximately 40 lf; previously sealed but sealant missing in most places	reseal crack	
P18	pavement	pavement gouging and cracking as wide as 5 inches in places; approximately 30 lf; does not appear to extend through cap	monitor and reevaluate for repair during next inspection cycle	

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Project Name: Environmental Cap and Drainage System Inspection Report
Project Number: M0624.24.001
Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observation	Recommended Actions	Photographs
P19	pavement	unsealed crack with vegetation growth; approximately 30 lf	remove vegetation and seal crack	
P20	pavement	unsealed crack wider than 1/8 inch; approximately 40 lf long	seal crack	

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Project Name: Environmental Cap and Drainage System Inspection Report
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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observation	Recommended Actions	Photographs
P21	pavement	partially unsealed crack wider than 1/8 inch; approximately 50 lf	seal crack	
P22	pavement	unsealed crack with vegetation growth; approximately 5 lf	remove vegetation and seal crack	

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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observation	Recommended Actions	Photographs
P23	pavement	previously sealed crack with sealant missing; approximately 20 lf	reseal crack	
P24	pavement	previously sealed crack with sealant missing; vegetation growth in portions of crack; approximately 50 lf east of this point	remove vegetation and reseal crack	

NOTES:
C = curb
ID = location identification number
lf = linear feet
P = pavement

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Project Name: Environmental Cap and Drainage System Inspection Report
Project Number: M0615.24.001
Location: Louisiana Pacific/Pony Lumber Facility

Table 2: Stormwater Drainage System Issues Observed During 2022 Inspection

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
CB1	catch basin	structurally sound; functioning normally	4 inches in insert; visible sediment accumulation in bottom of structure; water in structure and too deep to measure	insert in catch basin; no floatables or debris	remove sediment and debris from insert and structure in accordance with stormwater maintenance requirements	
CB2	catch basin	structurally sound; functioning normally	5-6 inches in insert; structure full of water and too deep to measure	insert in catch basin; sediment accumulation and fabric tear in insert; floatables on surface	replace insert; remove floatables in accordance with stormwater maintenance requirements	

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Project Name: Environmental Cap and Drainage System Inspection Report
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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
CB3	catch basin	structurally sound; functioning normally	debris in insert; structure full of water and too deep to measure	insert in catch basin; minor floatables in riser	remove floatables in accordance with stormwater maintenance requirements	
CB4	catch basin	could not observe interior of structure	several inches of sediment accumulated in insert	insert in catch basin; unable to open structure due to tight fit of grate	restore accessibility; replace insert; observe interior of structure during next inspection	

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Project Name: Environmental Cap and Drainage System Inspection Report
Project Number: M0615.24.001
Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH1	maintenance hole	structurally sound; functioning normally	visible sediment accumulation on pipes and structure walls; water in structure and too deep to measure	visible debris and floatables on surface	remove debris and floatables from structure in accordance with stormwater maintenance requirements	
MH2	maintenance hole	structurally sound; functioning normally	trace sediment accumulation on pipe; water in structure and too deep to measure	organic debris and floatables on surface	remove debris and floatables from structure in accordance with stormwater maintenance requirements	

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Project Name: Environmental Cap and Drainage System Inspection Report
Project Number: M0615.24.001
Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH3	maintenance hole	could not locate	nm	none	could not locate maintenance hole (consistent with 2019 inspection)	[no photograph]
MH4	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	lid overgrown; floatables and organic debris on surface, slight organic sheen	remove debris and floatables from structure in accordance with stormwater maintenance requirements	

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Project Name: Environmental Cap and Drainage System Inspection Report
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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH5	maintenance hole	unable to inspect structure	nm	lid locked with large hex bolts.	observe during next inspection	
MH6	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	organic debris on surface	remove debris in accordance with stormwater maintenance requirements	

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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH7	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	no visible debris, floatables, or sheen	none	
MH8	maintenance hole	structurally sound; functioning normally	minimal visible accumulation in structure; water in structure and too deep to measure	no visible debris, floatables, or sheen	none	

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Location: Louisiana Pacific/Pony Lumber Facility

ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH9	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	no debris, floatables, or sheen	none	
MH10	maintenance hole	structurally sound; functioning normally	visible sediment accumulation up to pipe invert; too deep to measure	rebar, hose, and other debris in structure	remove sediment and debris from structure in accordance with stormwater maintenance requirements	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH11	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	organic sheen with floatables on surface	remove floatables in accordance with stormwater maintenance requirements	
MH12	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	debris on surface	remove debris in accordance with stormwater maintenance requirements	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH13	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	floatables and trace organic sheen on surface	remove floatables in accordance with stormwater maintenance requirements	
MH14	maintenance hole	cracking in upper portion of structure; functioning normally	water in structure and too deep to measure	floatables on surface	remove floatables in accordance with stormwater maintenance requirements; monitor structure condition	

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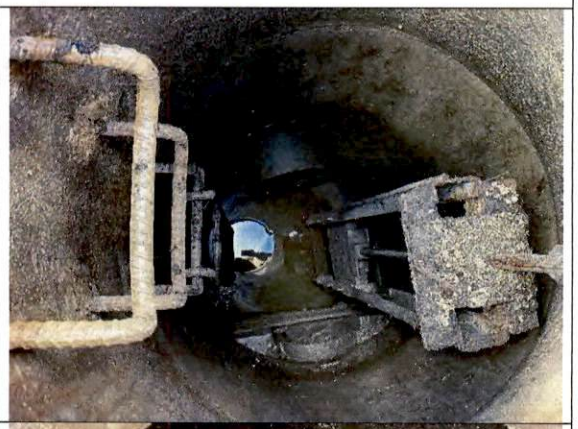
ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH15	maintenance hole	structurally sound; functioning normally	sediment accumulation on structure walls and in pipes; water in structure and too deep to measure	no floatables, debris, or sheen	remove sediment accumulation in accordance with stormwater maintenance requirements	
MH16	maintenance hole	structurally sound; functioning normally	approximately 0.5 inches sediment accumulation in pipe; water in structure and too deep to measure	floatables and organic sheen on surface	remove sediment accumulation and floatables in accordance with stormwater maintenance requirements	

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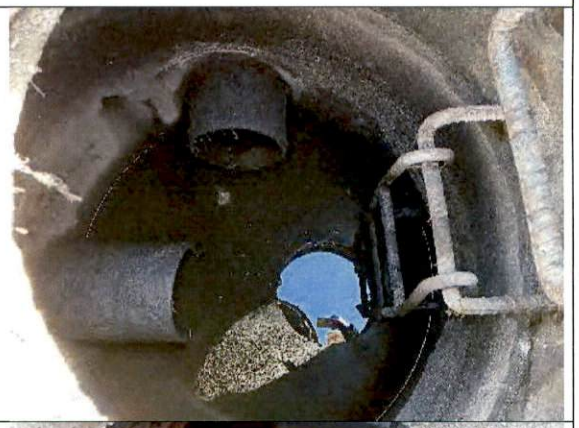
ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH17	maintenance hole	structurally sound; functioning normally	approximately 0.25 inches sediment accumulation in pipe; water in structure and too deep to measure	floatables on surface	remove sediment and floatables in accordance with stormwater maintenance requirements	
MH18	maintenance hole	structurally sound; functioning normally	visible sediment accumulation in bottom of structure; water in structure and too deep to measure	no floatables, debris or sheen	remove sediment in accordance with stormwater maintenance requirements	

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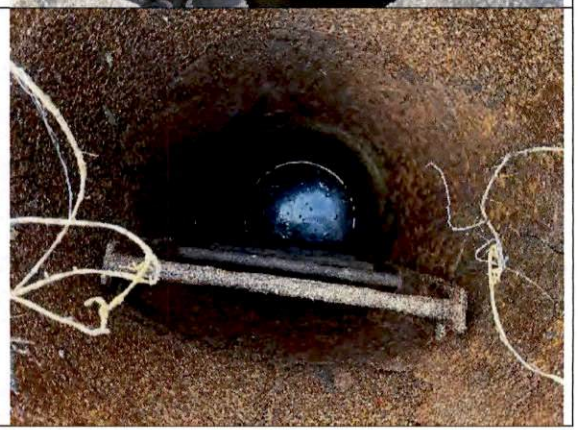
ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
MH19	maintenance hole	structurally sound; functioning normally	water in structure and too deep to measure	trace floatables on surface	remove floatables in accordance with stormwater maintenance requirements	
OWS1	oil/water separator	functioning normally	water in structure and too deep to measure	metal structure with signs of corrosion; floatables and sheen visible on water surface	pump out the oil/water separator for inspection; have a corrosion engineer evaluate maintenance hole walls for integrity	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
OWS2	oil/water separator	functioning normally	water in structure and too deep to measure	metal structure with signs of corrosion; floatables and sheen visible on water surface	pump out the oil/water separator for inspection; have a corrosion engineer evaluate maintenance hole walls for integrity	
TB1	treatment basin	structurally sound; functioning normally	1 inch accumulation in basin and approximately 1/8 inch in pipes	booms instead of screens in front of grates; organic debris in basin; sediment accumulation around basin; some deterioration of pavement curb on east corner of basin (rebar exposed)	replace missing screens; remove accumulated sediment in accordance with stormwater maintenance requirements; repair pavement curb if conditions worsen	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
TB2	treatment basin	structurally sound; functioning normally	0 inches	screens and basin in good condition	none	
TB3	treatment basin	structurally sound; functioning normally	0 inches	gapping in west screen large enough to allow sediment bypass	repair screen in accordance with stormwater maintenance requirements	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
TB4	treatment basin	structurally sound; functioning normally	0 inches	inorganic debris in basin; visible sediment accumulation in screens	remove accumulated debris from screens in accordance with stormwater maintenance requirements	
TB5	treatment basin	structurally sound; functioning normally	0.5 inches in basin	organic and inorganic debris in basin; southwest grate is cracked and covered in organic debris; accumulated sediment in screens	remove sediment accumulation and debris from basin in accordance with stormwater maintenance requirements; clear screens and grates	

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ID	Type of Structure	Observed Condition	Sediment Accumulation	Additional Observations	Recommended Actions	Photographs
TB6	treatment basin	structurally sound; functioning normally	0.75 inches in basin	blackberries beginning to grow into basin; organic and inorganic debris in basin; damage to north grate; north facing screen is torn; sediment accumulation on all screens	remove accumulated sediment and debris from basin and screens in accordance with stormwater maintenance requirements; trim blackberries; replace damaged screen	

NOTES:
CB = catch basin
ID = location identification number
MH = maintenance hole
nm = not measured
OWS = oil/water separator
TB = treatment basin