



2021 ANNUAL CAP INSPECTION REPORT

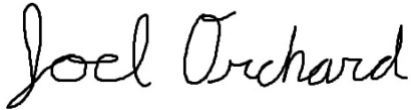
BNSF Northport Site

November 11, 2021



2021 ANNUAL CAP INSPECTION REPORT

BNSF Northport Site



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November 11, 2021

CONTENTS

Acronyms and Abbreviations	ii
1 Introduction.....	1
2 Cap Monitoring and Documentation	1
3 Site conditions	1
4 Schedule	2

APPENDICES

Appendix A Photographic Log

ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis U.S., Inc.
BNSF	BNSF Railway Company
Ecology	Washington State Department of Ecology
site	Northport City Park Cleanup Site in Northport, Washington

1 INTRODUCTION

On behalf of BNSF Railway Company (BNSF), Arcadis U.S., Inc. (Arcadis) prepared this 2021 Annual Cap Inspection Report to document the integrity of the protective cap at the BNSF Northport site in Northport, Washington (the site) for the January 1, 2021 through December 31, 2021 reporting period. The site is located at latitude 47° 34' 39" N and longitude 122° 19' 58" W.

The site is located adjacent to the former LeRoi Smelter site, which refined copper, lead, and silver ores. Prior operations at the former smelter plant contaminated adjacent properties, including the Northport City Park. The Northport City Park property is currently owned by BNSF and leased to the City of Northport.

In 2004, remedial activities were conducted at the site, including the excavation and capping of metal-contaminated soil. As part of the Environmental Covenant for the site, the Washington State Department of Ecology (Ecology) requires annual cap monitoring to ensure the condition of the cap is acceptable and continues to be protective of human health and the environment.

2 CAP MONITORING AND DOCUMENTATION

The cap monitoring activities completed in 2021 included:

- Performed annual cap inspection in September 2021.
- Documented cap integrity.
- Evaluated site to determine if cap repairs were necessary.
- Submitted an annual report to Ecology to communicate the findings of the cap inspection.

During the cap inspection the following site conditions were evaluated:

- Quality of the sod located within the Northport City Park.
- Condition of trees near the remedial area.
- Presence or absence of noxious weeds in the remedial area.
- Presence or absence of burrowed animal activity.
- Stability and integrity of the cap.
- Integrity of the barrier fence between the park and railroad tracks.

3 SITE CONDITIONS

Arcadis completed the cap inspection on September 21, 2021 and a photographic log documenting site conditions is presented as Appendix A. The integrity of the cap was confirmed to be intact and in good condition, with the exception of the following observed issues:

- A low spot in the central portion of the gravel cap (photograph #2 in Appendix A)
- Exposed geotechnical fabric in the southeast portion of the gravel cap (photograph #4 in Appendix A)
- Weeds established along fence line separating park from track area (photograph #6 in Appendix A)

4 SCHEDULE

The low spot and exposed geotechnical fabric identified during the cap inspection were addressed on October 14, 2021 through the application of additional gravel cover. The weeds present along the fence line will be addressed through the application of an herbicide spray prior to the start of the next growing season. The next cap inspection will occur during the fourth quarter of 2022.

APPENDIX A

Photographic Log



Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 1

Description:
Gravel cap, looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021



Photograph: 2

Description:
Low spot in gravel cap, looking west

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 3

Description:

Location of low spot following addition of gravel, looking east

Location:

Northport, WA

Photograph taken by:

Joel Orchard

Date: 10/14/2021



Photograph: 4

Description:

Exposed geotechnical in the southeast area of the cap, looking west

Location:

Northport, WA

Photograph taken by:

Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 5

Description:
Covering exposed geotechnical fabric in the southeast area of the cap, looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 10/14/2021



Photograph: 6

Description:
Weeds along the fence line between the park and the track area, looking west

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 7

Description:
Fence between park and track area, looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021



Photograph: 8

Description:
Fence between parking lot and track area, looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 9

Description:
Park grass and trees,
looking west

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021



Photograph: 10

Description:
Fence between park
and boat launch,
looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 11

Description:
Entrance to parking lot,
looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021



Photograph: 12

Description:
Parking lot, looking east

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

Appendix A: Photographic Log

2021 Annual Cap Inspection Report
BNSF Northport Site



Photograph: 13

Description:
Parking lot, looking west

Location:
Northport, WA

Photograph taken by:
Joel Orchard

Date: 9/21/2021

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