

From: [Simonson, Russ \(Ash Grove\)](#)
To: [Gent, Philip \(ECY\)](#)
Cc: [Nielson, Scott \(Ash Grove\)](#)
Subject: Seattle Ash Grove 4-Factor Reply
Date: Thursday, May 21, 2020 1:08:37 PM
Attachments: [SE Consent Decree NOx Emission Reduction Study and Demonstration Phase Requirements for Seattle Kiln.pdf](#)
[2016 08 25 SE EPA Approval 5.1 lbs Limit of NOx.pdf](#)
[2016 06 30 SE Demonstration Report PDF.pdf](#)
[2015 09 16 SE EPA Approval Optimization Report.pdf](#)
[2015 08 17 SE Optimazation Rpt.pdf](#)
[2015 02 04 SE NOx Optimization Protocol Response.pdf](#)
[2014 11 10 SE Kiln Optimization Plan - Final.pdf](#)
[2016 06 30 SE Demo Report Submittal PDF.pdf](#)

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Hello Phil.

Scott assembled the attached documents for me after last Friday's call regarding the bolstering of our explanation of recent NOx requirements. I'm just now getting them to you.

- Consent Decree NOx Emission Reduction Study and Demonstration Phase Requirements for Seattle Kiln; this is an excerpt from the Consent Decree Appendix detailing the NOx test and set requirements for Seattle.
- Kiln Optimization Plant – Final; this is the plan and process used to establish a Consent Decree NOx limit. Baseline data is included.
- NOx Optimization Protocol Response; this is the correspondence from EPA approving, in consultation with Ecology and PSCAA, our NOx optimization protocol and baseline data for establishing a Consent Decree NOx limit.
- Demo Report Submittal PDF; this is correspondence from Ash Grove to EPA accompanying the Demonstration Report.
- Optimization Rpt; this is the report submitted to EPA meeting the guidelines test and set program for minimizing NOx emissions and optimizing processes.
- Approval Optimization Report; this is correspondence from EPA approving, in consultation with Ecology and PSCAA, the findings and recommendations derived from our NOx optimization study .
- Demonstration Report PDF; this is the Consent Decree NOx Process Demonstration Report.
- Approval 5.1 lbs Limit of NOx; this is correspondence from EPA approving the 5.1 pounds of NOx per ton of clinker on a 30-day rolling average based on the demonstration period we underwent.

I hope you enjoy the time away next week. Best regards,

Russ Simonson

Environmental Manager

Ash Grove Cement Company, Seattle

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