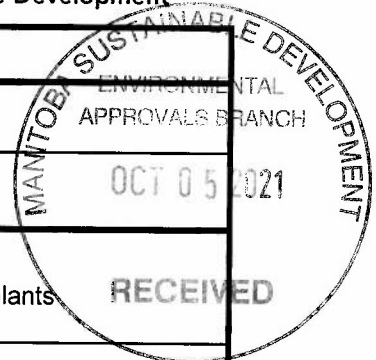


Notice of Alteration Form



Client File No. : 3009.10	Environment Act Licence No. : 1301 RR
Legal name of the Licencee: BOEING CANADA OPERATIONS LTD.	
Name of the development: BOEING CANADA OPERATIONS LTD.	
Category and Type of development per Classes of Development Regulation: Manufacturing Manufacturing and industrial plants	
Licencee Contact Person: REBECCA WROBLEWSKI	
Mailing address of the Licencee: 99 MURRAY PARK ROAD	
City: WINNIPEG	Province: MB Postal Code: R3J 3M6
Phone Number: [REDACTED]	Fax: [REDACTED] Email: [REDACTED]@pm
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): REBECCA WROBLEWSKI	
Phone: [REDACTED]	Mailing address: 99 MURRAY PARK ROAD WINNIPEG MB R
Fax: [REDACTED]	
Email address: rebecca.wroblewski@boeing.com	
Short Description of Alteration (max 90 characters): CONSOLIDATION OF 1345 REDWOOD AVENUE OPERATION INTO MURRAY PARK FACILITY	
Alteration fee attached: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	
If No, please explain: ALTERATION RESULTS IN INSIGNIFICANT ENVIRONMENTAL EFFECTS	
Date: 2021-09-30	Signature: [REDACTED]
Printed name: Rebecca Wroblewski	
<p>A complete Notice of Alteration (NoA) consists of the following components:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cover letter <input checked="" type="checkbox"/> Notice of Alteration Form <input checked="" type="checkbox"/> 2 hard copies and 1 electronic copy of the NoA detailed report (see "Information Bulletin - Alteration to Developments with Environment Act Licences") <input type="checkbox"/> \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance) 	
<p>Submit the complete NoA to:</p> <p>Director Environmental Approvals Branch Manitoba Sustainable Development 1007 Century Street Winnipeg, Manitoba R3H 0W4</p> <p>For more information:</p> <p>Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/eal</p>	
<p>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an Environment Act Proposal Form (see "Information Bulletin – Environment Act Proposal Report Guidelines")</p>	





Boeing Canada Operations
Ltd.
Boeing Canada Winnipeg
99 Murray Park Road
Winnipeg, MB R3J 3M6

September 30th 2021

Director
Environmental Approvals Branch
Manitoba Conservation and Climate
1007 Century Street
Winnipeg, MB R3H 0W4

Re: Boeing Canada Operations Ltd. – EAL no. 1301 RR – 99 Murray Park Road, Winnipeg

Dear Director,

The Boeing Canada Operations Ltd. facility located at 99 Murray Park Road in Winnipeg Manitoba is currently operating under Environment Act Licence No. 1301 RR originally issued on August 28th 1989, and most recently revised on August 18th 2016.

Section 14 of the Environment Act requires that the director of Manitoba Conservation and Climate be notified and approve of any alterations to a development.

This notice of alteration is intended to provide Manitoba Conservation and Climate with notification that Boeing Canada Operations Ltd. will be consolidating its operations from the 1345 Redwood Avenue location (EAL No. 2846 R, File No. 5346) into the 99 Murray Park Road facility location. A closure plan for the development located at 1345 Redwood Avenue was previously submitted to the Director on March 24th 2021.

While the majority of the manufacturing operations from the 1345 Redwood Avenue location will be transferred to 99 Murray Park Road, the overall environmental impact from the facility is not anticipated to increase as a result of the consolidation effort and in combination with the offload of the 747-production line.

The enclosed information will describe the operations that will be transferred from 1345 Redwood Avenue to Boeing Canada Operations Ltd.'s 99 Murray Park Road facility and the associated environmental impacts. The relocation of operations and decommissioning of the 1345 Redwood Avenue facility is scheduled to be completed before the end of 2021 at which time Boeing Canada Operations Ltd. intends to cancel Environment Act Licence 2846 R and Hazardous Waste Generator Registration No. MBG111564.

If you have any questions or require further information, please feel free to contact me by phone at (204) 833-7196, or by email at [REDACTED]

Sincerely,

Rebecca Wroblewski
Environmental Specialist | Environment, Health & Safety
Boeing Canada Winnipeg
99 Murray Park Road, Winnipeg MB R3J 3M6
Desk: 204-833-7196

Notice of Alteration:
Boeing Canada Operations Ltd.
Facility Consolidation (Redwood Closure)

Boeing Canada Operations Ltd.
99 Murray Park Road, Winnipeg, Manitoba

Environment Act Licence No. 1301 RR
Client File No. 3009.10

September 30th 2021

Table of Contents

Executive Summary	3
Proposed Changes to the Development as Licensed	4
Change in Environmental Effects as a result of the proposed alteration	5

Attachments

Maps, Drawings, Schematics, etc.

- a. Redwood Facility (Closing)
- b. Murray Park Facility (Prior to Consolidation)
- c. Murray Park Facility (Post-Consolidation)

Appendix 1: EAL No. 2846 R, File No. 5346 Closure Report (March 24 2021)

1. Executive Summary

This notice of alteration is to provide Manitoba Conservation and Climate with notification of Boeing Canada Operations Ltd.'s plans to consolidate its operations from its 1345 Redwood Avenue (Redwood) location (EAL No. 2846 R, File No. 5346) into the 99 Murray Park Road (Murray Park) location that is currently operating under Environment Act Licence No. 1301 RR; originally issued on August 28th 1989, and most recently revised on August 18th 2016.

Boeing Canada Operations Ltd. has been leasing the 112,000 square foot Redwood Avenue facility since 2008. This lease contract expires in January 2022 and internal feasibility studies have shown that the Redwood operations can be absorbed into the Murray Park facility.

It is Boeing Canada Operations Ltd.'s intent to rearrange the Murray Park facility to accommodate the relocation of the remaining Redwood facility's work statement by the end of November 2021, and to have the Redwood facility returned to the required condition prior to the lease expiry in January 2022.

The Redwood work statement that will be transferred and consolidated with existing operations at the Murray Park facility include Assembly (787 EAPAF, 767 ESAF), Tooling, Paint, Edge Seal/Sand and Fill (S&F), and the Fulfillment Operations (Shipping, Receiving, Inventory). A closure plan detailing the decommissioning of the Redwood operation was submitted to Manitoba Conservation and Climate on March 24th 2021 and is provided in Appendix 1 of this report.

It should also be noted that the 747-product line that is fabricated at Murray Park (layup, autoclave cure, and trim) and then transported to Redwood for assembly, paint, and shipping is being retired and all tools are being sent to long term offsite storage.

The change in environmental impact due to the consolidation of these operations from Redwood to Murray Park is considered to be insignificant.

Overall, the Redwood operations have accounted for less than 5% of the total Boeing Canada Operations Ltd. work statement in Winnipeg Manitoba and all operations with the exception of the two Assembly shops are being absorbed into existing operations at Murray Park (no additional equipment is being installed at Murray Park).

The two assembly shops that are being brought over to Murray Park involve fitting, fastening, and installing details using fasteners, drilling, sealants, and adhesives. Minimal solid, flammable hazardous waste (consistent with the other assembly operations at Murray Park) is generated by the assembly shops and will be managed in accordance with Murray Park's Hazardous Waste Generator Registration No. MBG00001.

In addition, this consolidation effort has resulted in other environmental benefits for the Boeing Canada Operations Ltd. operation in Winnipeg MB. The closure of the Redwood operation eliminates the need for inter-plant transportation between the two facilities and the reorganization of the Murray Park facility to accommodate the Redwood work statement has resulted in additional efficiencies at Murray Park. These improvements include the elimination of two large clean rooms (controlled temperature and humidity environments), two environmental control booths, one industrial cloth cutting machine, and the decommissioning of redundant shop equipment in the Tooling operations.

2. Proposed Changes to the Development as Licensed

i. Assembly Shops (787 EPAF and 767 ESAF)

The 787 EPAF (Engine Pylon Aft Fairing) and 767 ESAF (Engine Strut Aft Fairing) assembly shops from the Redwood facility are being relocated to the Murray Park facility.

The assembly operations include fitting, fastening, and installing details using fasteners, drilling, sealants, and adhesives.

These shops that are being relocated consist mainly of portable and non-portable tool jigs, hand tools, power tools, and consumable supplies.

ii. Tooling

The Tooling operation from the Redwood facility is being relocated to the Murray Park facility and absorbed into the existing Tooling operation.

The Tooling operation includes metal machining (including lathe, mill, drill press, and surface grinder), welding, soldering, and general metal work. Metals machined include aluminum, cast aluminum, steel, cast iron, and Invar (nickel-iron alloy).

Of all the equipment previously included in the Tooling shop at the Redwood facility; only the milling machine, lathe, surface grinder, pedestal grinder, band saw, drill press, and a shear are being relocated to the Murray Park facility based on existing equipment utilization studies and the effort to consolidate.

iii. Paint

The Paint statement of work (787 and 767 panels) from the Redwood facility is being transferred to the Murray Park facility and absorbed into the existing Paint operation.

Only the Robotic Abrasion Cell (sanding) and one environmental control booth will be relocated to Murray Park and utilized for paint preparation, all other components of the Redwood paint shop are being decommissioned.

iv. Edge Seal/Sand and Fill (S&F)

The Edge Seal/Sand and Fill operation from the Redwood facility has been relocated to the Murray Park facility and absorbed into the existing Edge Seal/Sand and Fill operation.

The Edge Seal/Sand and Fill operation is essentially a paint prep process that consists of parts being sanded and any voids filled and finished with an autobody-style filler.

The only equipment that was transferred to the Murray Park facility with the operation was a small portable electric oven used to cure the filler material that is applied to the panels.

v. Fulfilment Operations

The Shipping, Receiving, and Inventory (PCA, General Stores/Tool Crib) Operations are essentially warehousing activities that including racking, shelving, packaging materials, and product storage.

These operations from the Redwood Facility are being consolidated with the existing fulfilment operations at the Murray Park Facility.

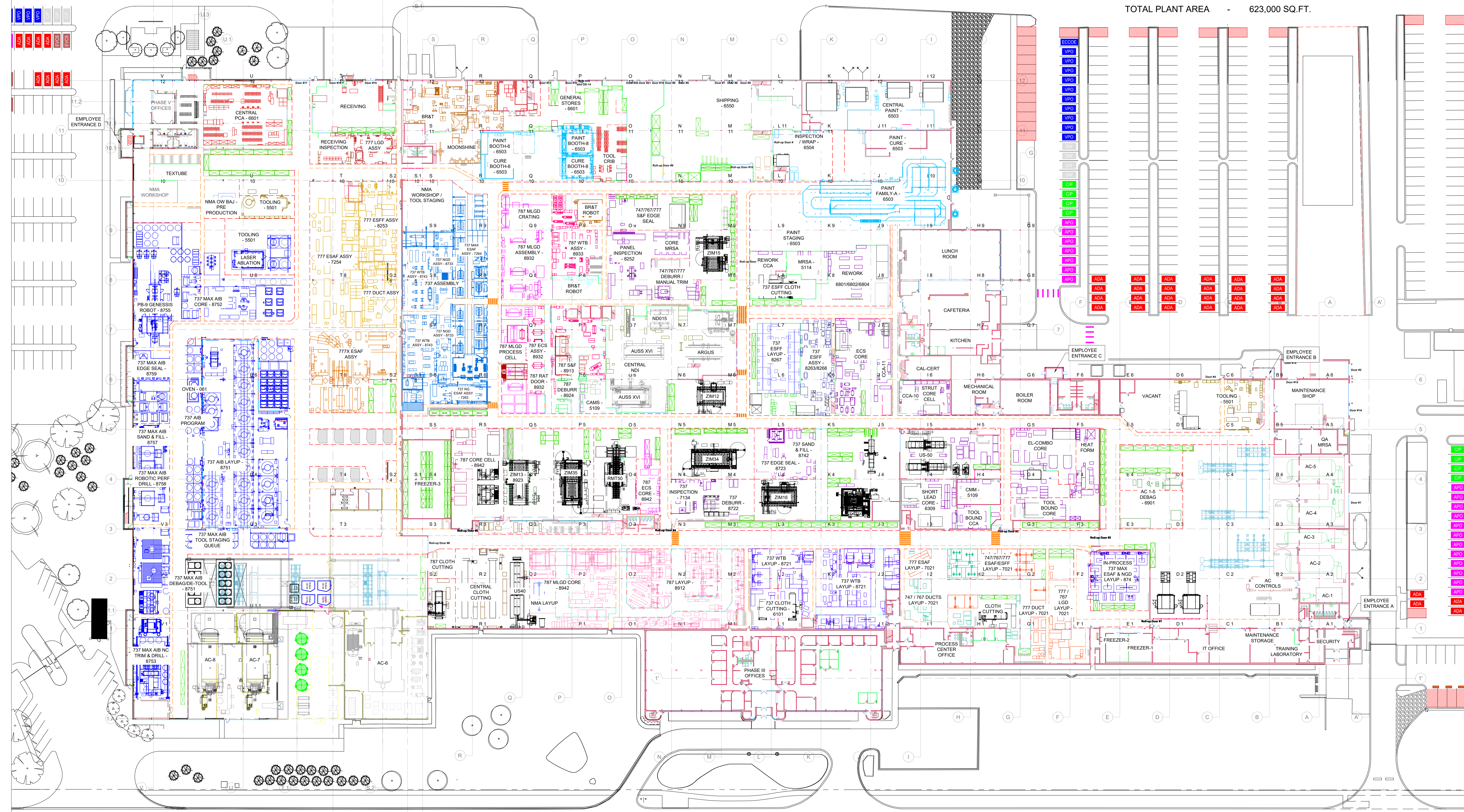
3. Change in Environmental Effects as a Result of the Proposed Changes

No significant changes in environmental effects are anticipated as a result of this consolidation effort.

Overall, the Redwood operations have accounted for less than 5% of the total Boeing Canada Operations Ltd. work statement in Winnipeg Manitoba and all operations with the exception of the two Assembly shops are being absorbed into existing operations at Murray Park.

99-136 BCW Current State - Murray Park Plant Layout

TOTAL PLANT AREA - 623,000 SQ.FT.



99-136 BCW Current State - Murray Park Plant Layout

