

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER N-18-035

Relating to CARB approval for an Exemption from Third-Party Certification for Composite Wood Product Manufacturers that use Ultra-low-emitting Formaldehyde Resins under section 93120.3, title 17, California Code of Regulations

Uniboard Canada, Inc.

WHEREAS, the California Air Resources Board (CARB) has adopted the "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" (the "ATCM"; title 17, California Code of Regulations, sections 93120-93120.12), which establishes formaldehyde emission standards for composite products;

WHEREAS, section 93120.1(a)(42) of the ATCM defines "ultra-low-emitting formaldehyde (ULEF) resins" to mean "resins formulated such that average formaldehyde emissions are consistently below the Phase 2 emission standards in section 93120.2," for making hardwood plywood (HWPW), particleboard (PB), medium density fiberboard (MDF), or thin medium density fiberboard (tMDF);

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF resins to apply for written approval from the Executive Officer for an exemption from the requirements of section 93120.3(b) of the ATCM;

WHEREAS, section 93120.3(d) of the ATCM allows manufacturers of HWPW, PB, MDF, and tMDF who use ULEF resins to submit an application for an exemption from the requirements of section 93120.3(b) of the ATCM to the Executive Officer, which includes: (A) a statement indicating which product types will be manufactured using ULEF resins for sale in California; (B) the chemical formulation of the candidate ULEF resin(s), including base resins, scavenger resins, scavenger additives, catalysts, and other additives as used in manufacturing; (C) the name of their CARB-approved third-party certifier (TPC); and (D) data on the emissions performance of the candidate ULEF resin(s);

WHEREAS, the data on emissions performance of the candidate ULEF resin required in section 93120.3(d) of the ATCM must be obtained by working with a CARB-approved TPC, and must include six months of routine quality control testing data, the correlation of the routine quality control testing data to primary or secondary testing data, and the results of two primary or secondary method tests, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(d)(2) of the ATCM requires that 90 percent of the six months of routine quality control testing data and the results of two primary or secondary method tests must be shown to be no higher than 0.04 parts per million (ppm), and that all data must be shown to be no higher than 0.05 ppm for HWPW and 0.06 ppm for PB, MDF, and tMDF;

WHEREAS, section 93120.3(d)(5) of the ATCM provides that the Executive Officer shall approve the application and issue an Executive Order if the evidence submitted by the applicant is sufficient to demonstrate that the applicant has met the requirements specified in sections 93120.3(d)(1) and 93120.3(d)(2) of the ATCM;

WHEREAS, Uniboard Canada, Inc. (Uniboard Canada or the "applicant") submitted an application that we received on November 5, 2009;

WHEREAS, the original application from Uniboard Canada specified the range in product manufacturing parameters, applicable post-press product treatments, base resin trade name(s) and base resin manufacturer(s)/supplier(s), and other ingredients added to the base resin by the applicant to manufacture ULEF PB products;

WHEREAS, CARB was provided base resin/adhesive information specifying the base resin polymer type and minimum and maximum values of all major and any minor ingredients in the base resin on a percent weight of solids basis;

WHEREAS, the base resins/adhesive supplier, commercial name, and resin type are set forth in Confidential Attachment A;

WHEREAS, the Executive Officer found that the evidence submitted by the applicant met the criteria specified in section 93120.3(d)(1);

WHEREAS, the original application from Uniboard Canada was deemed complete on December 16, 2009, and Uniboard Canada was issued Executive Order N-09-035, signed on January 20, 2010;

WHEREAS, Uniboard Canada submitted a request and supplementary documentation to CARB on June 7, 2010, for approval to add one additional product type to Confidential Attachment A;

WHEREAS, the request submitted on June 7, 2010, demonstrated that the additional product type uses the same resin system as listed in Confidential Attachment A for Executive Order N-09-035, and confirmatory formaldehyde emissions testing for the candidate product type demonstrated that the product has formaldehyde emissions that are no higher than 0.04 ppm;

WHEREAS, because of the applicant's request to add another product to Confidential Attachment A, Executive Order N-09-035 was superseded by Executive Order N-09-035A, signed on February 7, 2011;

WHEREAS, section 93120.3(d) of the ATCM allows ULEF product manufacturers to apply for re-approval by CARB by submitting an updated application;

WHEREAS, Uniboard Canada submitted an updated application for re-approval to CARB on December 27, 2011;

WHEREAS, the updated application for re-approval from Uniboard Canada was deemed complete on January 13, 2012 and Uniboard Canada was issued Executive Order N-14-035 signed on January 19, 2012;

WHEREAS, Uniboard Canada submitted an updated application for re-approval to CARB on January 6, 2014 which also included a request for a change in resin type;

WHEREAS, the base resin/adhesive information was provided to CARB by Uniboard Canada's resin supplier, and was set forth in Confidential Attachment A;

WHEREAS, the updated application for re-approval from Uniboard Canada was deemed complete on February 4, 2014 and Uniboard Canada was issued Executive Order N-14-035 on February 6, 2014;

WHEREAS, Uniboard Canada submitted an updated application for re-approval to CARB on March 29, 2016;

WHEREAS, the updated application for re-approval from Uniboard Canada was deemed complete on May 11, 2016, and Uniboard Canada was issued Executive Order N-16-035 on May 18, 2016;

WHEREAS, Uniboard Canada submitted an updated application for re-approval to CARB on May 11, 2018;

WHEREAS, the updated application for re-approval from Uniboard Canada was deemed complete on May 14, 2018;

WHEREAS, the Executive Officer finds that the completed, updated application demonstrated the ULEF manufacturer's ability to continue to comply with section 93120.3(d); and

WHEREAS, the Executive Officer approved Uniboard Canada's request for re-approval, and it is appropriate that Executive Order N-16-035 be superseded by this Executive Order N-18-035.

NOW, THEREFORE, IT IS ORDERED that Uniboard Canada is hereby approved as a ULEF manufacturer of PB that is exempt from the requirements of section 93120.3(b) and Appendix 2 of section 93120.12 of the ATCM, provided that the following terms and conditions are met for products sold, supplied, offered for sale, or manufactured for sale in California:

1. Uniboard Canada must use the commercial resins listed and suppliers listed in Section A of Confidential Attachment A of this Executive Order for the manufacture of ULEF PB products.
2. The chemical formulation of the base resins used for the manufacture of ULEF composite wood products by Uniboard Canada must be within the ranges specified in Section B of Confidential Attachment A of this Executive Order.
3. Uniboard Canada is legally responsible for ensuring that the base resin is within the ranges specified in Section B of Confidential Attachment A.
4. The application rate of the base resins used for the manufacture of ULEF composite wood products by Uniboard Canada must be within the ranges specified in Section C of Confidential Attachment A of this Executive Order.
5. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of ULEF PB products by Uniboard Canada must be within the ranges specified in Section D of Confidential Attachment A of this Executive Order.
6. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the ULEF PB products by Uniboard Canada must be within the ranges specified in Section E of Confidential Attachment A of this Executive Order.
7. Only the composite wood products with the product names listed in Section F of Confidential Attachment A of this Executive Order are authorized under this Executive Order.

BE IT FURTHER ORDERED that this Executive Order N-18-035 supersedes Executive Order N-16-035, which was signed on May 18, 2016.

BE IT FURTHER ORDERED that Uniboard Canada may change the resin system supplier listed in Section A of Confidential Attachment A of this Executive Order if the new resin supplier supplies the same resin type listed in Confidential Attachment A of this Executive Order, at least two primary or secondary method tests are performed on random samples selected by their CARB-approved TPC, and the Chief of the Risk Reduction Branch of the Transportation and Toxics Division is notified before Uniboard Canada uses the resin for production.

BE IT FURTHER ORDERED that Uniboard Canada must conduct confirmatory testing for a new resin supplier by demonstrating that the results of two primary or secondary method tests for the new resin system supplier are no higher than 0.04 ppm for the ULEF products authorized under this Executive Order.

BE IT FURTHER ORDERED that this Executive Order shall have a duration of two years from the date this Executive Order is signed; the applicant may apply for re-approval as provided in section 93120.3(d)(5) of the ATCM.

BE IT FURTHER ORDERED that the Executive Officer may review and, for good cause, modify or revoke this Executive Order as provided in section 93120.3(d)(5) of the ATCM. The Executive Officer shall not modify or revoke this Executive Order without affording the applicant the opportunity for a hearing in accordance with the procedures specified in title 17, California Code of Regulations, section 60055.1 et seq.

BE IT FURTHER ORDERED that the applicant must maintain records in electronic or hard copy form for two years, for review by CARB upon request, as specified in section 93120.3(g) of the ATCM.

BE IT FURTHER ORDERED that the applicant must notify the Executive Officer in writing within 30 days if there is any change in their product manufacturing parameters or base resin manufacturer(s) or supplier(s) that does not comply with any of the requirements, terms or conditions specified in the ATCM or this Executive Order.

Executed at Sacramento, California this 24th day of May, 2018.



Richard Boyd, Chief
Risk Reduction Branch
Transportation and Toxics Division