

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER N-13-152A

Relating to ARB Approval to use No-added Formaldehyde Resins by  
Composite Wood Product Manufacturers under  
section 93120.3, title 17, California Code of Regulations

**Linyi Yinhe Wood Factory  
(formerly Yinhe Machinery Chemical Limited Company of  
Shandong Province)**

WHEREAS, the Air Resources Board (ARB) 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 wood products;

WHEREAS, section 93120.1(a)(29) of the ATCM defines "no-added formaldehyde (NAF) based resins" to mean resins formulated with NAF as part of the resin cross linking structure for making hardwood plywood, particleboard, or medium density fiberboard, including, but not limited to resins made from soy, polyvinyl acetate, or methylene diisocyanate;

WHEREAS, section 93120.3(c) of the ATCM allows manufacturers of hardwood plywood, particleboard, and medium density fiberboard who use NAF based 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(c) of the ATCM allows manufacturers of hardwood plywood, particleboard, and medium density fiberboard who use NAF based 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 NAF based resins for sale in California; (B) the chemical formulation of the candidate NAF based resin(s), including base resins, catalysts, and other additives used in manufacturing; (C) the name of their ARB approved third party certifier; and (D) data on emissions performance of the candidate NAF based resin(s);

WHEREAS, the data on emissions performance of the candidate NAF based resin required in section 93120.3(c) of the ATCM must be obtained by working with an ARB approved third party certifier, and must include three 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 one primary

or secondary method test, as required in Appendix 2 of section 93120.12 of the ATCM;

WHEREAS, section 93120.3(c)(1) of the ATCM requires that ninety percent of the three months of routine quality control testing data and the result of one primary or secondary method test 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 hardwood plywood and 0.06 ppm for particleboard, medium density fiberboard, and thin medium density fiberboard;

WHEREAS, section 93120.3(c)(4) 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 section 93120.3(c)(1) of the ATCM;

WHEREAS, Yinhe Machinery Chemical Limited Company of Shandong Province (Yinhe Machinery Chemical Company or the "applicant") submitted an application that we received on May 27, 2013;

WHEREAS, the application from Yinhe Machinery Chemical Limited Company was deemed complete on June 26, 2013 and signed on July 1, 2013;

WHEREAS, the application from Yinhe Machinery Chemical Limited Company 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 NAF products;

WHEREAS, the application from Yinhe Machinery Chemical Limited Company contained 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 percent weight of solids basis; and,

WHEREAS, section 93120.3(c)(4) 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 section 93120.3(c)(1) of the ATCM; and

WHEREAS, Yinhe Machinery Chemical Limited Company submitted a request on April 16, 2014, and supplementary documentation to ARB for approval to change their name from Yinhe Machinery Chemical Limited Company to "Linyi Yinhe Wood Factory";

WHEREAS, Yinhe Machinery Chemical Limited Company provided the required information for their name change, it is appropriate that Executive Order N-13-152 be superseded by this Executive Order N-13-152A;

WHEREAS Linyi Yinhe Wood Factory agrees to abide by the conditions set forth in Executive Order N-13-152A and provided a signed letter certifying that they will do so;

NOW, THEREFORE, IT IS ORDERED that Linyi Yinhe Wood Factory is hereby approved as a NAF manufacturer of hardwood plywood – veneer core 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. Linyi Yinhe Wood Factory must use the commercial resin listed and supplier listed in section A of Confidential Attachment A of this Executive Order for the manufacture of NAF hardwood plywood – veneer core products.
2. The chemical formulation of the base resin used for the manufacture of NAF composite wood products by Linyi Yinhe Wood Factory must be within the ranges specified in section B of Confidential Attachment A of this Executive Order.
3. The application rate of the base resins used for the manufacture of NAF composite wood products by Linyi Yinhe Wood Factory must be within the ranges specified in section C of Confidential Attachment A of this Executive Order.
4. Other chemical components of the base resins (such as sizing wax and release wax) used for the manufacture of NAF composite wood products by Linyi Yinhe Wood Factory must be within the ranges specified in section D of Confidential Attachment A of this Executive Order.
5. The allowable operating parameters for press temperature and press time for the base resins used to manufacture the NAF composite wood products by Linyi Yinhe Wood Factory must be within the ranges specified in section E of Confidential Attachment A of this Executive Order.
6. 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 Yinhe Company may change the resin constituent supplier listed in section A of Confidential Attachment A if the new resin supplier supplies the same resin constituent listed in Confidential Attachment A, confirmatory emission tests are conducted and the Chief of the Emissions Assessment Branch within the Stationary Source Division is notified in advance of using for production;

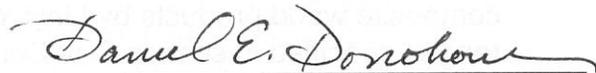
BE IT FURTHER ORDERED that Linyi Yinhe Wood Factory must conduct confirmatory testing for a new resin supplier by demonstrating that the results of one primary or secondary method tests for the new resin system supplier are no higher than 0.04 ppm for the NAF products authorized under this Executive 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 applicant must maintain records in electronic or hard copy form for two years, for review by ARB 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 8<sup>th</sup> day of May, 2014.



Daniel E. Donohue, Chief  
Emissions Assessment Branch  
Stationary Source Division