

# EPA's New Tie Boiler-Fuel Rule under NHSM

	Copper Naphthenate Only	Copper Naphthenate/Borate	Creosote Only	Creosote/Borate and Mixed Creosote, Borate, and Copper Naphthenate
<b>Preparation</b>	Metal removal and shredding or grinding	Metal removal and shredding or grinding	Metal removal and shredding or grinding	Metal removal and shredding or grinding
<b>General Design</b>	<b>Any unit designed to burn biomass, biomass and fuel oil, or biomass and coal</b>	<b>Any unit designed to burn biomass, biomass and fuel oil, or biomass and coal</b>	To burn biomass and fuel oil as normal operations and not just at start up or shut down or modified from oil to gas	To burn biomass and fuel oil as normal operations and not just at start up or shut down or modified from oil to gas or burn coal
<b>ONLY for Paper Mills or Power Production Boiler Design</b>	<b>Any unit designed to burn biomass, biomass and fuel oil, or biomass and coal</b>	<b>Any unit designed to burn biomass, biomass and fuel oil, or biomass and coal</b>	To burn biomass and fuel oil as normal operations and not just at start up or shut down or modified from oil to gas	To burn biomass and fuel oil as normal operations and not just at start up or shut down or modified from oil to gas or burn coal
<b>Date Restrictions</b>	<b>NO RESTRICTIONS EVEN NEW BOILERS</b>	<b>NO RESTRICTIONS EVEN NEW BOILERS</b>	Boilers construction commenced before April 14, 2014	Boilers construction commenced before April 14, 2014
<b>Boiler types</b>	<b>NO RESTRICTIONS. ALL BOILERS</b>	<b>NO RESTRICTIONS ALL BOILERS</b>	Stoker, bubbling bed, fluidized bed, or hybrid suspension grate boilers	Stoker, bubbling bed, fluidized bed, or hybrid suspension grate boilers
<b>Limits</b>	<b>NO RESTRICTIONS UP TO 100% OF AVAILABLE HEAT INPUT</b>	<b>NO RESTRICTIONS UP TO 100% OF AVAILABLE HEAT INPUT</b>	No more than 40% of annual heat input basis may come from treated rail ties	No more than 40% of annual heat input basis may come from treated rail ties
<b>Rule Date</b>	2/7/2018	2/7/2018	3/9/2015	2/7/2018

## Non-Hazardous Secondary Materials Rule (40 CFR 241 as amended)

<https://www.federalregister.gov/documents/2018/02/07/2018-02337/additions-to-list-of-categorical-non-waste-fuels-other-treated-railroad-ties>