

# SDAPCD Rule 69.2.1 for SMALL BOILERS, PROCESS HEATERS, & STEAM GENERATORS - Adopted March 25, 2009, Effective March 25, 2010

## APPLICABILITY

This rule shall apply to any person who manufactures, sells, offers for sale or distributes for use within San Diego County, or installs within San Diego County a new unit (boiler, process heater, or steam generator) with a heat input rating from **600,000 BTU per hour to 2 million BTU per hour**. See official rule for exceptions.


## STANDARDS

Effective March 25, 2010, no person shall manufacture, distribute, sell, offer for sale, or install within San Diego County any new unit that has:

- (1) Emissions of oxides of nitrogen, calculated as nitrogen dioxide at 3% oxygen on a dry basis, that exceed the following levels:
  - (i) **30 parts per million** by volume when operated on a gaseous fuel as a primary fuel.
  - (ii) 40 parts per million by volume when operated on a liquid fuel as a primary fuel.
- (2) Emissions of carbon monoxide, calculated at 3% oxygen on a dry basis, that exceed 400 parts per million by volume.

See official rule for exceptions.

**ELMCO/DUDDY** offers the following water heaters & boilers manufactured by Lochinvar Corp. that comply with the new ruling:

	BTU Range	Sample Model Number	Thermal Efficiency
<b>Sync™</b> Condensing Boiler <b>New!!!</b>	1,000,000 - 1,500,000	SBN1500	Up to 98%
<b>Crest</b> Condensing Boiler <b>New!!!</b>	1,500,000 - 2,000,000	FBN2000	Up to 92% AHRI
<b>Power-Fin E®</b> Water heater & Boiler	500,000 - 2,000,000	PFN0502PMF7 PBN1701M7	Up to 87%
<b>Copper-Fin II®</b> Water heater & Boiler	400,000 - 2,070,000	CFN1802PMM7 CHN1802M7	85%
<b>Copper-Fin®</b> Water heater & Boiler	495,000 - 2,065,000	CWN0987PMF7 CBN0987F7	82%
<b>Knight™ &amp; Knight XL™</b> Condensing Boiler	80,000 - 800,000	KBN105M7 KBN801M7	96% AFUE Up to 94.6%
<b>Armor Water Heater™</b> Condensing Water Heater	150,000 - 800,000	AWN150PMM7	Up to 98%
<b>Efficiency+®</b> Water Heater, Water Heater/Storage Package, & Boiler	150,000 - 200,000	EWN200PMF7 EPN200-100F7 EBN200M7	85%
<b>Shield™</b> Water Heater –Tank Type	150,000 - 500,000	SNR200-100 SNA400-125	96%
<b>Charger</b> Water Heater –Tank Type	75,000 - 400,000	CGN075-075 CXN199-100(A)	80%

\* as tested by the ETL Testing Laboratories, Inc., Cortland, NY

### Elmco/Duddy

9750 Birch Canyon Place, San Diego, CA 92126 (858) 437-0112 (Fax) 437-0117  
15070 Proctor Ave., City of Industry, CA 91746 (626) 333-9942 (Fax) 855-4811

[www.elmcoduddy.com](http://www.elmcoduddy.com) mail@elmcoduddy.com

South Coast Air Quality Management District (AQMD)  
**RULE 1146.2 - EMISSIONS OF OXIDES OF NITROGEN FROM LARGE WATER HEATERS AND SMALL BOILERS AND PROCESS HEATERS**  
 LIST OF CERTIFIED UNITS PURSUANT TO RULE 1146.2 (Updated November 9, 2011)  
 NOTE: The AQMD does not endorse or warrant any specific product or manufacturer

Company/Brand Name	Type 2 (> 400,000–2,000,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2)	Type 1 (≤ 400,000 BTU/HR) (Complies with 14 ng/J or 20 ppm NOx @ 3% O2)	Type 1 (≤ 400,000 BTU/HR) (Complies with 40 ng/J or 55 ppm NOx @ 3% O2) (Certification expires 12/31/2011, Except for Pool Heaters) (Sell-through until 12/31/2012, Except for Pool Heaters)	CONTACT Phone/E-mail/Web
Lochinvar-1	<b>Power-Fin:</b> P(B,F)N0501, P(B,F)N0751, P(B,F)N1001, P(B,F)N1300, P(B,F)N0502, P(B,F)N0752, P(B,F)N1002, P(B,F)N1302, P(B,F)N1501, P(B,F)N1701, P(B,F)N2001 <b>Intelli-fin:</b> I(B,W)N1500, I(B,W)N1700, I(B,W)N2000 <b>Copper-Fin:</b> C(B,W)N0495, C(B,W)N0645, C(B,W)N0745, C(B,W)N986, C(B,W)N1256, C(B,W)N1436, C(B,W)N1796, C(B,W)N2066, C(H,F,P)N0401, C(H,F,P)N0501, C(H,F,P)N0651, C(H,F,P)N0751, C(H,F,P)N0991, C(H,F,P)N1261, C(H,F,P)N1441, C(H,F,P)N1801, C(H,F,P)N2071	<b>Knight:</b> KBN080, KBN081, KBN105, KBN106, KBN150, KBN151, KBN210, KBN211, KBN285, KBN286, KBN399, KBN400 <b>Knight Wall Mount:</b> WBN050, WBN051, WBN080, WBN081, WBN105, WBN106, WBN150, WBN151, WBN210, WBN211 <b>Armor:</b> AWN150PM, AWN151PM, AWN199PM, AWN200PM, AWN285PM, AWN286PM <b>Armor:</b> AWN399PM, AWN400PM <b>Shield:</b> SNR150-100, SNR200-100, SNA285-125, SNA400-125, SNA500-125 <b>Wall Hung:</b> WHN055, WHN085, WHN110, WHN155, WHN199, WHN285, WHN399	<b>Efficiency Plus Group:</b> E(B,W)(N,L)150, 200, 250, 300. <b>EnergyRite:</b> ERN (152, 202, 252, 302, 402), ERL (152, 202, 252, 302, 402) ETN076, CNR080-076, DVN076-2, STN100, STN076-2, ETN100, ETN100-2, CNR085-100, CNR125-075-DF9-SC, CNR155-035-DF9-SC, CNR160-075-DF9-SC, CNR180-080-DF9-SC, CNR200-080-DF9-SC, CNR200-100-DF9-SC, CNR250-100-DF9-SC, CNA251-100-DF9-SC, CNR300-075-DF9-SC, CNA301-075-DF9-SC, CNR370-065-DF9-SC, CNA371-065-DF9-SC, CNR199-100-DF9-2SC, CNR400-080-DF9-2-SC, CNA401-080-DF9-2-SC, DNA301-080-SC, DNA361-100-SC, PNR150-080-SC, PNR200-080-SC, PNR250-080-SC, PNR150-100-SC, PNR200-100-SC, PNR250-100-SC, TNR125-060, TNA126-060, TNR150-060, TNA151-060, TNR200-060, TNA201-060, TNR150-100, TNA151-100, TNR200-100, TNA201-100, TNR250-100, TNA251-100, TNR300-100, TNA301-100, TNR400-100, TNA401-100 <b>Discontinued Models:</b> ERN/L 401, ERN/L 301, ERN/L 251, ERN/L 201, ERN-L 151	Lisa Davis 615-889-8900 x2229
Lochinvar-2	<b>Copper-Fin:</b> C(B,W)N0497, C(B,W)N0647, C(B,W)N0747, C(B,W)N0987, C(B,W)N1257, C(B,W)N1437, C(B,W)N2067, C(H,F,P)N0402, C(H,F,P)N0502, C(H,F,P)N0652, C(H,F,P)N0752, C(H,F,P)N0992, C(H,F,P)N1262, C(H,F,P)N1442, C(H,F,P)N1802, C(H,F,P)N2072 (BY EXT-10-27-10) <b>Knight:</b> KBN500, KBN501 <b>Knight XL:</b> KBN600, KBN601, KBN700, KBN701, KBN800, KBN801 <b>Sync:</b> SBN1000, SBN1300, SBN1500 <b>Armor:</b> AWN500PM, AWN 501PM <b>Armor XL:</b> AWN600, AWN601PM, AWN700, AWN701, AWN800, AWN801 <b>Shield:</b> SNA500-125 <b>Crest:</b> FBN1500, FBN2000	<b>Knight:</b> KBN080, KBN081, KBN105, KBN106, KBN150, KBN151, KBN210, KBN211, KBN285, KBN286, KBN399, KBN400 <b>Knight Wall Mount:</b> WBN050, WBN051, WBN080, WBN081, WBN105, WBN106, WBN150, WBN151, WBN210, WBN211 <b>Armor:</b> AWN150PM, AWN151PM, AWN199PM, AWN200PM, AWN285PM, AWN286PM <b>Armor:</b> AWN399PM, AWN400PM <b>Shield:</b> SNR150-100, SNR200-100, SNA285-125, SNA400-125, SNA500-125 <b>Wall Hung:</b> WHN055, WHN085, WHN110, WHN155, WHN199, WHN285, WHN399	<b>Efficiency Plus Group:</b> E(B,W)(N,L)150, 200, 250, 300. <b>EnergyRite:</b> ERN (152, 202, 252, 302, 402), ERL (152, 202, 252, 302, 402) ETN076, CNR080-076, DVN076-2, STN100, STN076-2, ETN100, ETN100-2, CNR085-100, CNR125-075-DF9-SC, CNR155-035-DF9-SC, CNR160-075-DF9-SC, CNR180-080-DF9-SC, CNR200-080-DF9-SC, CNR200-100-DF9-SC, CNR250-100-DF9-SC, CNA251-100-DF9-SC, CNR300-075-DF9-SC, CNA301-075-DF9-SC, CNR370-065-DF9-SC, CNA371-065-DF9-SC, CNR199-100-DF9-2SC, CNR400-080-DF9-2-SC, CNA401-080-DF9-2-SC, DNA301-080-SC, DNA361-100-SC, PNR150-080-SC, PNR200-080-SC, PNR250-080-SC, PNR150-100-SC, PNR200-100-SC, PNR250-100-SC, TNR125-060, TNA126-060, TNR150-060, TNA151-060, TNR200-060, TNA201-060, TNR150-100, TNA151-100, TNR200-100, TNA201-100, TNR250-100, TNA251-100, TNR300-100, TNA301-100, TNR400-100, TNA401-100 <b>Discontinued Models:</b> ERN/L 401, ERN/L 301, ERN/L 251, ERN/L 201, ERN-L 151	Lisa Davis 615-889-8900 x2229
Lochinvar-3			CGN075075, LTN(07575, 07575ST) CGN075100, LTN10075 LVN(07580, 07580ST) CXN(120070, 155080, 180100) CXN(199100, 250100, 275100, 310085, 365085, 400085)(A) Note: These models may have additional letters or numbers as suffix to indicate trim packages	Lisa Davis 615-889-8900 x2229