







## LIST of NTES EXCEL PROGRAM

Doc. No.	LS - NEP - 100		
Date	2015. 11. 1.		
Rev.	0		
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Area : [Heat Exchanger](#)

File Name	Description	Remarks
<b><u>Thermal Design</u></b>		
TD HE ACHE	Thermal Design of <b>Air Cooled Heat Exchanger</b>	
TD HE COHE	Thermal Design of <b>Coil immersed in Tank</b>	
TD HE FWH	Thermal Design of <b>Feedwater Heater</b>	
TD HE S&T	Thermal Design of <b>Shell &amp; Tube Type H/E</b>	
TD HE SSC	Thermal Design of <b>Steam Surface Condenser</b>	
TD HE SWHB	Thermal Design of <b>S&amp;T Type Waste Heat Boiler</b>	
TD HE THE	Thermal Design of <b>Tubular H/E such as Economizer, Gas Air Heater</b>	
<b><u>Calculation</u></b>		
cal. U-tube	calculates <b>Lengths of U-tubes to be installed</b>	
<b><u>Data Sheet</u></b>		
data sheet By-pass Damper WHB	calculates <b>Performance of Gas By-pass Damper</b>	
data sheet PGDS SWHB	produces <b>Performance Guarantee Data Sheet</b>	
data sheet PSV HE S&T	produces <b>PSV Data Sheet</b>	
sizing vent pipe FWH	sizes <b>Vent Pipe for Fedwater Heater</b>	
<b><u>EOM</u></b>		
O&M FWH	produces <b>Operation and Maintenance Manual for Feedwater Heater</b>	
O&M S&T	produces <b>Operation and Maintenance Manual for Shell &amp; Tube Type H/E</b>	
O&M THE air	produces <b>Operation and Maintenance Manual for Tubular H/E for Air Service</b>	
<b><u>Process Flow Diagram</u></b>		
pdf form trans.	produces <b>Typical Process Flow Diagram around H/E</b>	
<b><u>PTC</u></b>		
PTC FWH	produces <b>Performance Test Procedure for Feedwater Heater</b>	
PTC single phase HE	produces <b>Performance Test Procedure for single phase HE</b>	

**Notes**

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Area : **Boiler**

File Name	Description	Remarks
<b><u>Thermal Design</u></b>		
TD Boiler F&ST	Thermal Design of <b>Fire and Smoke Tube Boiler</b>	
TD Boiler WT	Thermal Design of <b>Water Tube Boiler</b>	
<b><u>Calculation</u></b>		
cal. Boiler Performance ASME PTC 4-2008	calculates <b>Boiler Performance based on ASME PTC 4-2008</b>	
cal. Boiler Performance B&W	calculates <b>Boiler Performance based on B&amp;W Calculation Sheet.</b>	
cal. FD Fan boiler	calculates <b>Boiler FD Fan Capacity</b>	
cal. Line Sizing	sizes <b>Boiler Pipe Line based on Fluid Velocity</b>	
cal. Stack Dispersion	calculates <b>Stack Dispersion</b>	
cal. Venturi	sizes <b>Venturi Meter for Combustion Air Flowrate</b>	
cal. Volume & Retention Time	calculates <b>Volume &amp; Retention Time for Steam Drum</b>	
<b><u>Start-up &amp; Shut-down</u></b>		
PCD boiler start-up & shut-down	produces <b>Procedure of Boiler Start-up &amp; Shut-down</b>	
SEQ boiler start-up & shut-down	produces <b>Sequence of Boiler Start-up &amp; Shut-down</b>	
<b><u>Data Sheet</u></b>		
data sheet De-SH boiler	calculates <b>Process for De-superheater</b>	
data sheet Design Report boiler	produces <b>Design Report of Boiler</b>	
data sheet ECO boiler	produces <b>Economizer Data Sheet</b>	
data sheet F&BV boiler	sizes <b>Flash and Blowdown Vessels</b>	
data sheet Otk boiler	sizes <b>Fuel Oil Tank</b>	
data sheet PDS boiler	produces <b>Performance Data Sheet</b>	
data sheet PGDS boiler	produces <b>Performance Guarantee Data Sheet</b>	
data sheet PSV boiler	produces <b>PSV Data Sheet</b>	
data sheet SGA boiler	produces <b>Outline of Boiler</b>	

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