

5.02 LIFT STATION DESIGN CRITERIA



Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	<u>6/16/2016</u>			
Project Name:	<u>Kings Mountain Energy Center – HRSG Blowdown</u>			
Information here in provided by:	<u>Gemma Power</u>			
Name:	<u>[REDACTED]</u>			
Email Address:	<u>[REDACTED]</u>			
Telephone:	_____	Phone Ext:	_____	
Project Site Address:	<u>Kings Mountain, NC</u>			
ACAD site plan drawing available at this time?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Project Owner and/or Operator:	<u>Gemma Power</u>			
Governing Sewer or Water Authority:	<u>Gemma Power</u>			
Does Authority have a lift station standard?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Does this project require "Buy America" materials?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

PART 2: DESIGN DATA

Source of Water:	<u>Power Plant</u>			
Water Type:	<u>Blowdown - Hot Water (140 degrees max)</u>			
Peak design inflow (max flow to lift station):	<u>480 g.p.m. @ 35 ft. TDH</u>			
Pumping Rate:	<u>480 g.p.m.</u>			
Force Main is:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> New	<input type="checkbox"/> Existing	
Power Supply:	<input checked="" type="checkbox"/> 480V	<input type="checkbox"/> 480V	<input type="checkbox"/> 240V	<input type="checkbox"/> 120V
Power Supply:	<input checked="" type="checkbox"/> Three-Phase	<input type="checkbox"/> Three-Phase	<input type="checkbox"/> Single-phase	
Is lift station a classified space?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	