




Fire Sprinkler System Specification Sheet

(Per §40-10-250)



Project Data				
Project name: North Augusta Recycling Center				
Location in South Carolina:	Address (street # & street name): 67 Claypit Road			State project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	City: North Augusta		County: Aiken	State project #: N/A
Water Supply Information				
Date test conducted: 11/15/2022		Static pressure: 95 psi	Residual pressure: 41 psi	Flow: 810 gpm
Distances of test gauges relative to the base of the riser:			Horizontal: ±200 ft	Vertical: 0 ft
Source of water supply:		<input checked="" type="checkbox"/> Municipal dead-end <input type="checkbox"/> Municipal circulation <input type="checkbox"/> Existing fire pump <input type="checkbox"/> Other:		Pipe Size (in.): 6"
Test data by/from:	Name: James Sutton		Title: Director of Public Services	
	Organization: City of North Augusta		Telephone #: 803-441-4240	
Fire pump:	<input type="checkbox"/> New <input type="checkbox"/> Existing	Pump Capacity:	Churn Pressure:	
	<input checked="" type="checkbox"/> No Pump	Rated Pressure:	Pressure @ 150% flow:	
On-site water storage:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Tank <input type="checkbox"/> Other:	Capacity (gal):
NFPA Hazard Classification				
Area #	Class or Code Reference	Description of Hazard Protected (commodity description, storage height, and arrangement as applicable.)		
1	Ordinary Hazard Group II	Manufacturing (recycling sorting), low pile storage, sprinkler riser room		
Design Parameters				
Area #	System Type	Density (gpm/ft ²) / Area (ft ²) or Other (reference code section)	Inside Hose (gpm)	Outside Hose (gpm)
1	Dry	0.20 gpm/ft ² / 1950 ft ²	0	250
Seismic Design Data:		S _s = 0.27g	Site Classification = D	Seismic Design Category = C
Codes and Standards				
Applicable Codes, Standards & Editions for the Scope of Work on the Sprinkler System				
2016 NFPA 13; 2018 IBC				
Scope of work and notes:				
<ol style="list-style-type: none"> Scope of work begins 1 ft above finished floor. Underground sprinkler piping by others. Lateral sway braces and branch line restraints may be omitted when pipe hangers are installed per NFPA 13 9.3.5.5.10 and 9.3.6.5. Low pile storage of Class I-IV commodities and Group A plastics per NFPA 13-13.1.1(5) & (6) and Table 13.2.1. <ol style="list-style-type: none"> Class I-IV commodities solid piled, palletized, and shelf up to 12 ft Class I-III commodities on open racks up to 12 ft; Class IV commodities on open racks up to 10 ft Group A plastics solid piled, palletized, racks, shelf up to 5 ft Provide bid option for nitrogen generator. 				
Specifier's Information				
Name: Eric D. Mondor, PE				
Engineering services provided through a firm: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Firm name: Foster Engineering & Consulting, LLC				
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State: SC Zip: 29204				
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