

Response to Request for Clarification 2

Contractors: Piping & Corrosion Specialties, Inc.
PCA Engineering, Inc.

Questions/Comments:

Piping & Corrosion Specialties, Inc.

- **Can you forward us a copy of the latest survey and report of the existing Cathodic protection system?**
Most recent cathodic protection information for the Airport Rectifier is attached.
- **Where are isolation flanges (if any) installed?**
System has three (3) designated isolation points. Information on these locations can be provided during construction.
- **Who will supply and pay for necessary permits?**
Contractor will be responsible for obtaining the building permit, if required, from the City of Greenville for construction. The City and Greenville Utilities will monitor construction of the rectifier.

No other permits are anticipated for construction of the rectifier.
- **Are all locations in GUC Rights-of-Way?**
All three (3) potential sites are located on City of Greenville-owned property. The City of Greenville has approved installation of the facility on one (1) of the three (3) potential sites.

PCA Engineering, Inc.

- **Can you provide a description of the existing airport anode groundbed (i.e. anode quantity, type, depth, spacing)?**
The Airport Rectifier was installed in 1975 as a deep well anode bed. We do not have information on the number and type of anodes utilized in the rectifier at this time. The Airport Rectifier has been removed from service.

GREENVILLE UTILITIES
YEAR 2012

CATHODIC PROTECTION OPERATING RECORD

Rectifier Unit Designation Airport, Unit No. 1
 Rectifier Location Pitt Greenville Airport at end of North Runway
 Structure (s) Protected Gas Distribution System
 Owner Greenville Utilities

Manufacture: General Corrosion P.O. Box 68 Sand Springs, OK
 Serial No. 74E419 Model No. PATSE-60-14-F
 Part No. _____ Install Date Jan-75

RECTIFIER DATA

AMPS DC 14 AMPS AC 11.4/5.7 AMP Temp. 45 C
 Volts DC 60 Volts AC 115/230 Phase 60/1

RECORD OF READINGS & INSPECTIONS

DATE	TAP SETTINGS		D.C. OUTPUT		Watts		Percentage of Rating	REMARKS	EMPLOYEE
	COARSE	FINE	VOLTS	AMPS	Current	Rated			
1/26/2012	E	4	64.1	11.16	715.356	840	85.16%		JT
2/24/2012	E	4	64.41	9.87	635.7267	840	75.68%		JT
3/8/2012	E	4	74.1	1.29	95.589	840	11.38%	Current is down on area protected by airport rectifier - investigating area for problems	JT
4/27/2012	D	4	59.03	0.63	37.1889	840	4.43%	voltage does not exceed rectifier rating - Anode bed has deteriorated past the design	JT
5/11/2012	D	4	58.91	0.63	37.1133	840	4.42%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT
	D	4			0	840	0.00%		JT

*Comments