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Power Quality Monitoring Survey

Conducted for

Questar Gas Pinedale Stabilizer Plant

10/14/2008

Survey Performed By
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Bonham, TX 75439

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SECTION 1

Site Summary Report

Questar Gas, Pinedale Stabilizer Plant, Wyoming

Initial Issues

Customer was having chronic problems with controller card failure on their DC power supplies and AC motor controls, specifically when transferring power from generator back to main power.

Scope of Work

The scope of this survey was to perform a limited Power Quality Study of the Pinedale Stabilizer plant while transferring load on and off of the emergency generators. This survey purpose was also to note the effects the Environmental Potentials Filter Protectors on the AC power for the facility. The purpose of the tests were for short term monitoring (less than a half a day) and was designed to specifically monitor changes during power switching and transition.

The data recorded in this survey includes but is not limited to:

Initial, minimum, average, maximum, and imbalance measurements of voltage and current over the duration of the time the electrical system was monitored (2 hours); True RMS and peak-to-peak values on all phase-to-phase and/or phase-to-neutral voltages; Voltage spikes, transients, sags, swells, as well as all other short term transient events; Voltage and current harmonic amplitude and distortion levels.

A frequency spectrum analysis was also conducted at the facility as part of the scope of this work.

Data recordings were captured in the Phase to Phase format reflecting typical 480V P-P Motor Control loads.

Report of Findings

The findings in this report are compared to the guidelines suggested by the Standard Handbook For Engineers 13th Edition, IEEE STD. 519-1992 , Recommended Practices and Requirements For Harmonic Control In Electrical power Systems, IEEE STD. C62 Guides and Standards for Surge Protection, ANSI (American National Standards Institute), and the NEC (National Electrical Code).

Report Parameters

Based on the existing conditions at the point of monitoring and the aforementioned standards and guidelines, the quantitative limits are pre-programmed into the RPM (Reliable Power Meter). All recorded data is subsequently analyzed in comparison to these values.

Normal Power Monitoring Summaries

During a 2 hour evaluation, the following anomalies were recorded.

- MCC power from the Plant Generator, 5 events were recorded over 22 minutes
- MCC change over power back to Utility, for 7 events (4 of those during actual power change over) 24 minutes
- MCC Utility power with EP Surge Protection Device installed had 4 events over 15 minutes (0 events during power change over).
- MCC power from the Plant generator with EP Surge Protection Device installed to Utility power for 3 events (0 events during power change over).

Power Quality Events (see Power Analysis Summary Report in Section 2)

During this monitoring period, power quality exceeds the recommended guidelines set by IEEE, ANSI and NEC. Voltage Sags, interruptions and a large number of transient events.

Transient Voltage Summaries (see Power Analysis Summary Report in Section 2)

8 events were recorded during the monitoring cycle. Based on data from IEEE ANSI C62, this number greatly exceeds the industry expected norm and damages to the customer data and hardware can be expected. Typically 15% of the transient surges come from outside the facility as power company switches and lightning, these leaves 85% of the transients being generated inside of the facility being monitored.

Voltage Sag Summaries (see Power Analysis Summary Report in Section 2)
6 Voltage Sag activities was recorded during the monitoring period

Voltage Swell Summaries (see Power Analysis Summary Report in Section 2)
5 Voltage Swell activities was recorded during the monitoring period

Voltage Interruption Summaries (see Generator Analysis Summary Report in Section 3)
No Voltage Interruption activity was recorded during the monitoring period

Conclusion

After reviewing the gathered information regarding power quality, at the time of this survey, excessive transient surges were consistently seen during transfer between both Utility power to generator, and the transfer of generator to Utility power.

No transient events were recorded after the EP 2900 series Filter Protector unit was installed and overall PQ events recorded (Over and Under voltages were reduced by 42% at this panel location).

The EP 2900 Filter Protector clearly had a positive effect on the system during transfer of power sources (utility vs genset).

SECTION 2

Power Quality Analysis Summary Report

Questar Gas, Pinedale Stabilizer Plant, Wyoming

Power Analysis Summary

Introduction

This is a summary of the power conditions at the at Questar Gas, Pinedale stabilizer Plant, Wyoming site, as recorded at MCC panel location, from Oct 14, 2008

This summary is composed of:

- The initial conditions section. This section defines the power conditions at the above locations.
- The events section. This is a summary of the voltage and current events that occurred at this location during the monitoring interval. Events are defined as changes in the monitored voltage and current and may be subtle or severe. The power tolerance curve provides a graphical representation of the likelihood of an event to disrupt equipment operations.
- The Voltage, Current and Frequency (VIF), section. This section contains summaries of each of these parameters during the monitor interval.

Site and Location Information

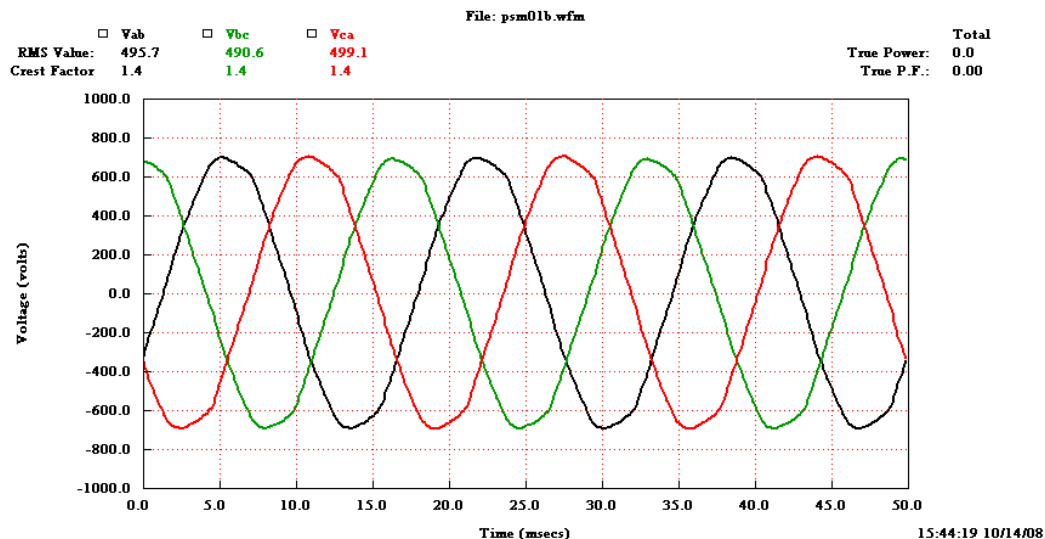
Site Information

Name	Questar Gas, Pinedale stabilizer Plant, Wyoming site
Account Number	XXXXXXXXXX
Date and Time	October 14, 2008
Contact	Ronald Glaser (903) 436-4669
Memo	Power Quality Survey
Description	Power Quality Monitoring

Report Parameters

This report was prepared on 10/29/2008. The following limits were used in analyzing the results.

Maximum Phase Voltage.	528 V
Minimum Phase Voltage.	420 V
Maximum Neutral Voltage.	002 V
Maximum Impulse Voltage.	600 V
Maximum Waveshape Voltage.	010 V
Maximum Frequency Deviation.	.5 Hz
Minimum Power Factor.	85%
Maximum Voltage T.H.D.	05%
Maximum Current T.H.D.	10%
Maximum Voltage Imbalance.	02%
Maximum Current Imbalance.	05%



Any values outside these limits were captured in this report. Values within the limits are considered by the electrical industry to be within a safe operating range.

Nominal Voltages

Phase Voltages:

Phase voltages that exceed the nominal voltage may damage sensitive electronic equipment or cause overheating. Low phase voltages may result in intermittent equipment operation and overheating.

Neutral and Neutral to Ground Voltages:

Excessive neutral voltages may indicate wiring problems exist or that the loads on the supply exceed the wiring rating. Even if proper wire rating was specified, the changes in our loads can greatly affect our Neutrals. For example: Since the early 1980's most commercial facilities have changed their loads from resistive and inductive loads towards capacitive. The reasoning behind this is that our heavy loads have become solid state electronic devices including their solid state rectifier power supplies (i.e, UPS's. Electronic ballast, computers, printers, industrial controls, VFD's etc..). Solid state power supplies for our electronic devices use a high frequency pulse (PWM) to sample the 60 Hz. This serves two functions, first it allows smaller components in the power supply to generate a DC voltage, but also recently the biggest benefit is that we are finding energy savings (i.e. electronic ballast and VFD's). Unfortunately this high frequency generation also pollutes our normal power causing loading issues on our neutral lines and tremendous amount of noise and transients throughout the facility. This noise crowds the wire causing intermittent equipment operation and overheating of the wires and transformers.

Voltage and Current Imbalance**Voltage Imbalance:**

Excessive Voltage Imbalance is an indication that one or two phases may be overloaded. A redistribution of the loads on one or more of the phases may be in order.

Current Imbalance:

Excessive Current Imbalance also indicates a poor distribution of loads. Although there may be no corresponding voltage imbalance, excessive current imbalance may result in tripped circuit breakers or transformer overheating.

Harmonic Distortion**Harmonic Distortion:**

Total harmonic distortion, or **THD**, of a signal is a measurement of the harmonic distortion present and is defined as the ratio of the sum of the powers of all harmonic components to the power of the fundamental frequency (60 Hz). The lower the THD the purer the sine wave (60 Hz) and the more power that is transferred to the load. High Harmonic Distortion (especially in the 3rd and 5th order) will lead to poor performing loads and the higher frequencies can/will damage other electronic loads connected to the power distribution system.

Other Common Power Quality Events

Ideally, voltage is supplied by a utility as sinusoidal having an amplitude and frequency given by national standards or system specifications (in the case of a power feed not directly attached to the mains) with an impedance of zero ohms at all frequencies.

No real-life power source is ideal and generally can deviate in at least the following ways:

- Variations in the peak or RMS voltage are both important to different types of equipment.
- When the RMS voltage exceeds the nominal voltage by 10 to 80% for 0.5 cycle to 1 minute, the event is called a "swell".
- A Sag is the opposite situation: the RMS voltage is below the nominal voltage by 10 to 90% for 0.5 cycle to 1 minute.
- Random or repetitive variations in the RMS voltage between 90 and 110% of nominal can produce a phenomenon known as "flicker" in lighting equipment. Flicker is the impression of unsteadiness of visual sensation induced by a light stimulus on the human eye. A precise definition of such voltage fluctuations that produce flickers have been subject to ongoing debate in more than one scientific community for many years.
- Abrupt, very brief increases in voltage, called "spikes", "impulses", "transients" or "surges", generally are caused by large inductive loads being turned off, Power Company switching Caps or more severely by lightning.
- "Undervoltage" occurs when the nominal voltage drops below 90% for more than 1 minute. The term "brownout" is an apt description for voltage drops somewhere between full power (bright lights) and a blackout (no power - no light). It comes from the noticeable to significant dimming of regular incandescent lights, during system faults or overloading etc., when insufficient power is available to achieve full brightness in (usually) domestic lighting. This term is in common usage has no formal definition but is commonly used to describe a reduction in system voltage by the utility or system operator to decrease demand or to increase system operating margins.

- "Overvoltage" occurs when the nominal voltage rises above 110% for more than 1 minute.
- Variations in the frequency – usually from switching power supplies and high frequency noise
- Variations in the wave shape - usually described as harmonics
- Nonzero low-frequency impedance (when a load draws more power, the voltage drops)
- Nonzero high-frequency impedance (when a load demands a large amount of current, then stops demanding it suddenly, there will be a dip or spike in the voltage due to the inductances in the power supply line)

Each of these power quality problems has a different cause. Some problems are a result of the shared infrastructure. For example, a fault on the network may cause a dip that will affect some customers and the higher the level of the fault, the greater the number affected, or a problem on one customer's site may cause a transient that affects all other customers on the same subsystem. Other problems, such as harmonics, arise within the customer's own installation and may or may not propagate onto the network and so affect other customers. Harmonic problems can be dealt with by a combination of good design practice and well proven reduction equipment.

Power conditioning

Power conditioning is modifying the power to improve its quality, thus improving the efficiency of power delivery to the load.

EMC Filters that are designed to focus on higher frequency that range from 3kHz to 1 MHz but MUST also convert electrical noise to heat, are used specifically to reduce high frequency noise and transients generated inside the facility created by VFD, Ballast and other digital loads (computers, control cards). It has been demonstrated that reduction of these frequencies by removal of the frequencies from the building, improves efficiencies in transformers, motors, and hot spot's in the electrical wiring and increases the life of the motors and digital devices, significantly lowering yearly facility maintenance budget. These filters have also demonstrated the ability to reduce the facility electrical kilowatt hour usage on motors, thus lowering the facility electrical budget.

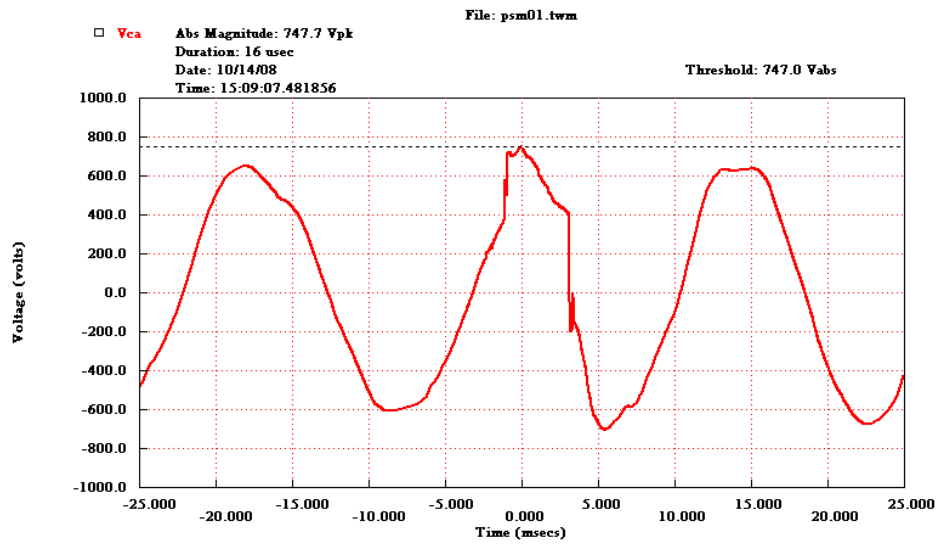
Transient voltage surge suppressor (TVSS) also known as a Surge Protection Device (SPD) are typically installed to prevent transient surges from outside the facility (damaging surges caused by power company and lightning surges), unfortunately harmonics, high frequency noise and internally generated surges typically are found well below the turn on voltage of a SPD and to fix these problems, the customer must rely on a power conditioning surge protection equipment that integrates both SPD and EMC power filter (see above) into a single unit.

Harmonic Filters (passive or active) are typically installed near the source of the harmonic distortion (typically VFD or industrial rectifiers). These filters typically focus on the 3rd and 5th harmonic but can go as high as the 30 harmonic (3 kHz).

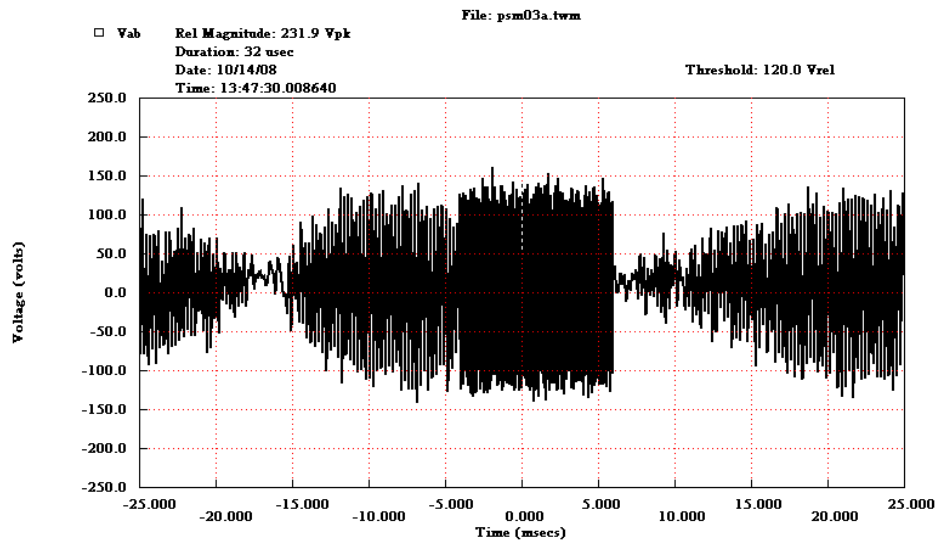
Uninterruptible Power Supply can be used to switch off of mains power to emergency power, or can be online 24 hours a day to the load (using double conversion designs), if there is a temporary under or overvoltage condition on the line. However, cheaper UPS units create poor-quality power themselves, akin to imposing a higher-frequency and lower-amplitude saw tooth wave atop the sine wave. High frequency noise has been known to disrupt or cause pre-mature failure of electronic loads like lighting ballast, digital equipment like computers and industrial equipment like VFD and transformers. While the newer double conversion UPS have gone a long way to developing reliable protected power, the sensitive load is still at total risk to PQ events if surge protection / filters are not placed at both upstream and downstream of the UPS.

The following table provides a general overview of the types of mitigation devices available for specific power quality phenomena. Often times the need for choosing the right mitigation device depends upon existing system parameters. This information in correlation with monitoring data allows for the implementation of the most economical and feasible electrical solutions.

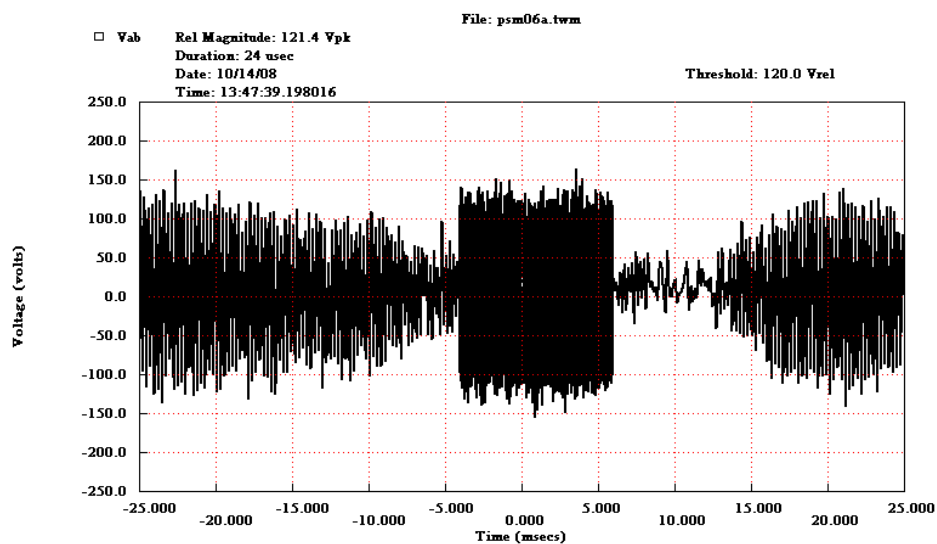
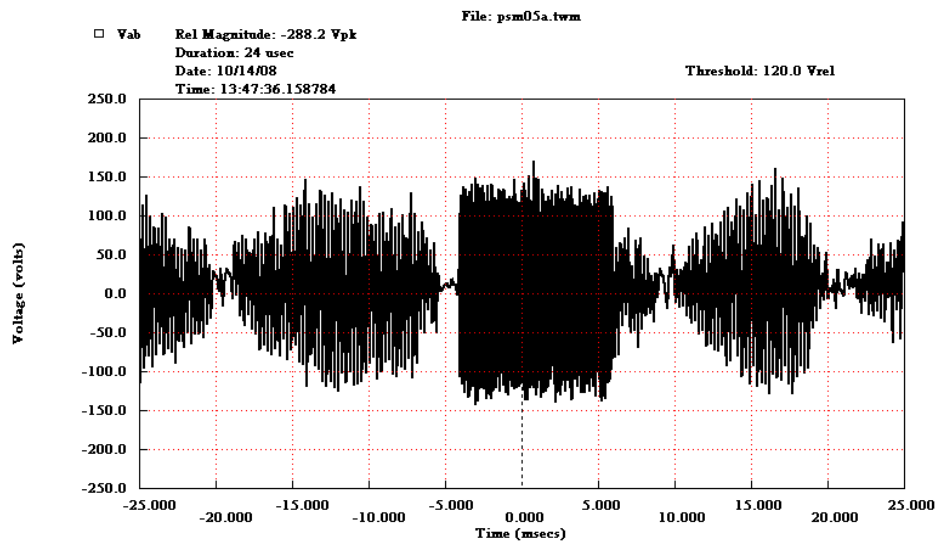
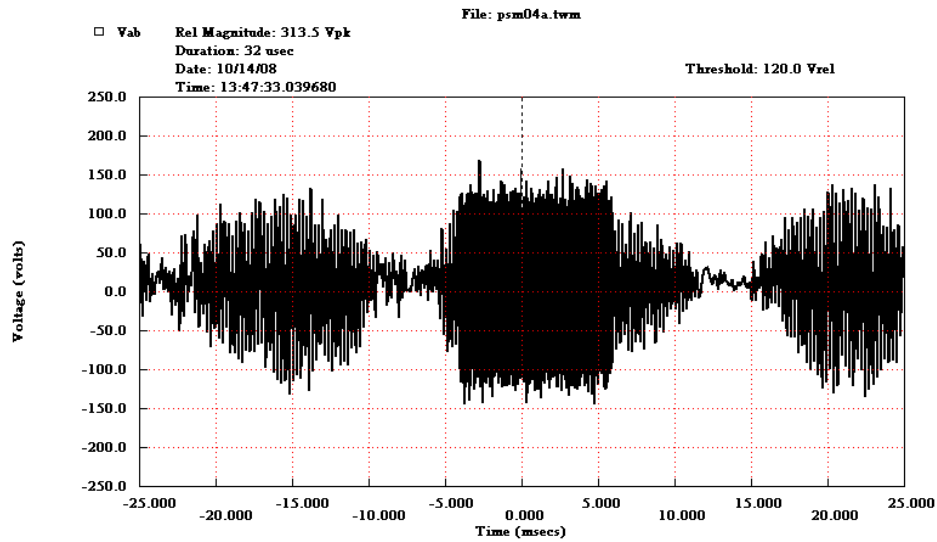
Disturbance Type	P1159 Category	Specific Phenomena	Solution
Type I – Transients	Impulsive	Lightning, Electro-static Discharge	Filters Isolation Transformers Low-impedance Power Conditioners (LIPCs) On-Line UPS Surge Protective Devices (SPDs)
	Oscillatory	Line/Load switching, power electronic device operation Capacitor switching Ferresonance Transformer energization	Line Reactor Constant Voltage Transformers (high frequency)
Type II – (0.5 cycles to 2 s)	Instantaneous and Momentary Short Duration Variations	System faults	Constant Voltage Transformers Energy Storage Technologies Magnetic Synthesizers Motor Generator Standby Power Supply Static Transfer Switch Static Voltage Regulator UPS System
Type III – (> 2 s)	Temporary Short Duration Variations (3s to 1 min)	System Protection, Maintenance	Energy Storage Technologies Motor Generator UPS System
	Sustained Interruption Undervoltage Overvoltage	Motor Starting, Load Variations, Load Dropping	Backup Generator Constant Voltage Transformers Energy Storage Technologies Voltage Regulators



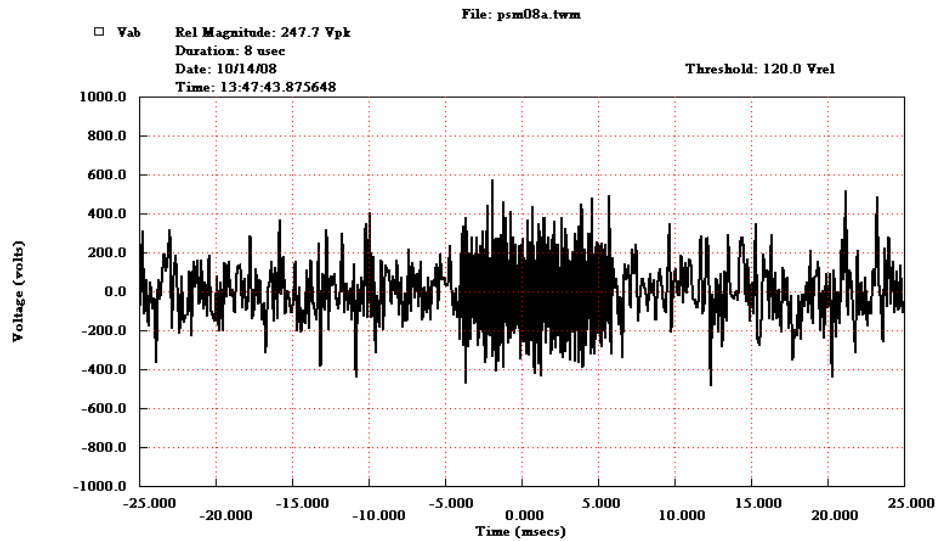
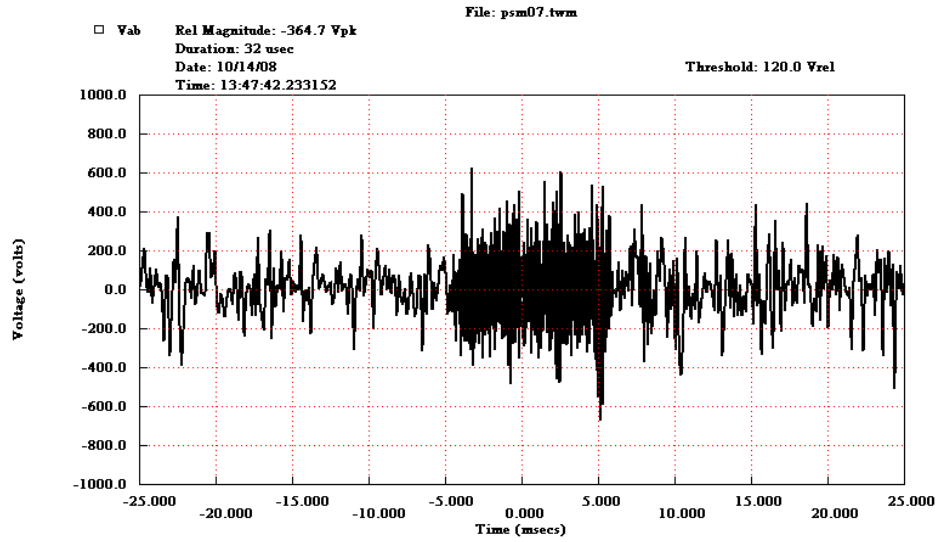
Typical Over Voltage event during transfer from Generator to Utility Power



Transient Event during transfer from GenSet to Utility Power (No EP)



Transient Events during transfer from GenSet to Utility Power (No EP)

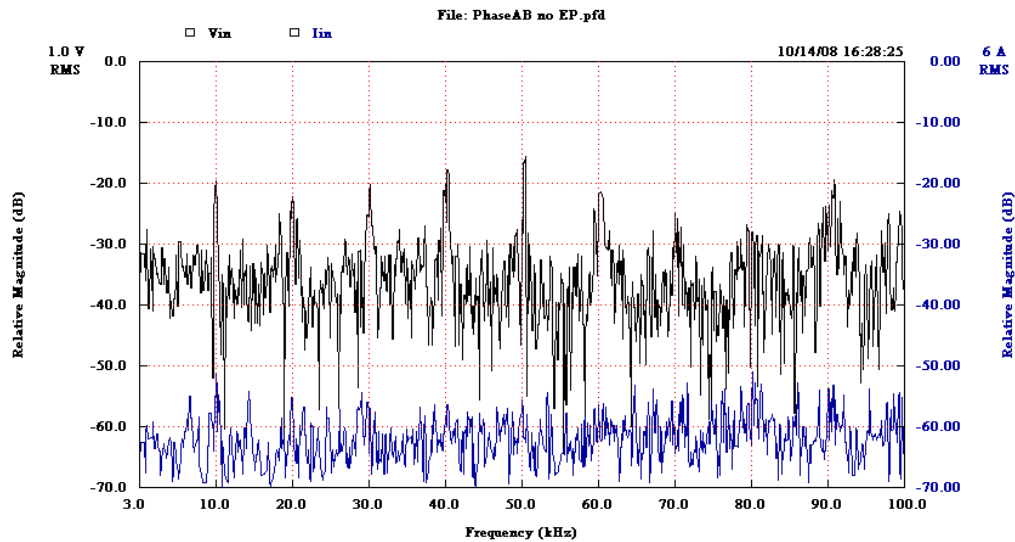


Transient Events during transfer from GenSet to Utility Power (With EP Filter Protector installed) significant reduction in transient noise on power bus was recorded.

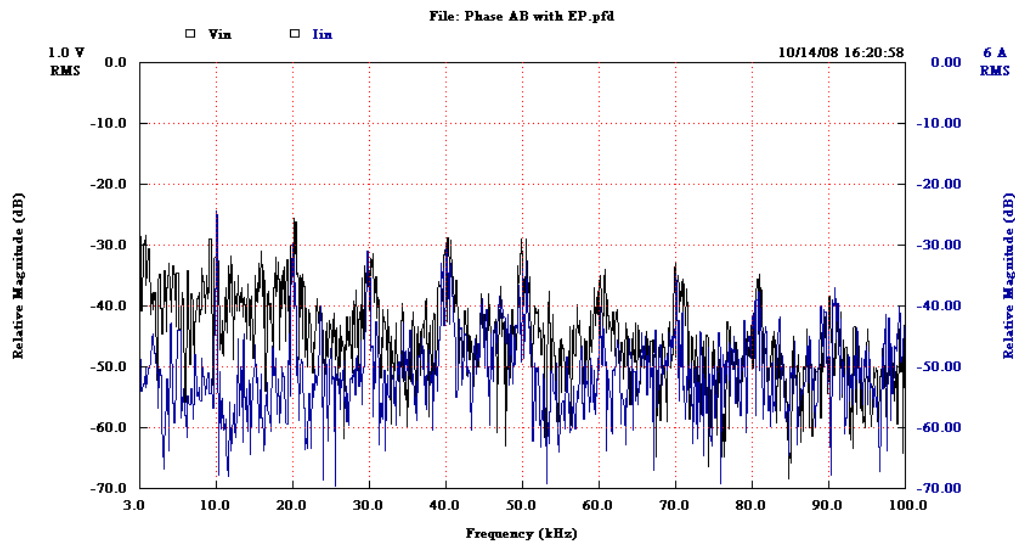
SECTION 3

Frequency Spectrum Test Report

Questar Gas, Pinedale Stabilizer Plant, Wyoming



**Phase A-B Frequency Spectrum – with NO EP connected
Voltage average at -35 db with peaks at -15 db.**



**Phase A-B Frequency Spectrum – with EP Filter Protector connected.
Voltage average significantly down to -45 db with peaks as low as -30 db.**

Base line readings were reduced by no less then -15 db. Note: For every -10 db reduction in signal is equivalent reduction in voltage by a factor of 100 (for example, 1V became 10mV)

Current measurement was taken on the Neutral side of the EP 2900 filter indicating significant current flow into the filter module circuits in the EP2900 series that was converted off the power line and converted to heat.

SECTION 4

Voltage Log Report

Questar Gas, Pinedale Stabilizer Plant, Wyoming

Measurement Overview

```
*
* Batch Log Began      10/14/8 at 16:
*
*
* Data Type : 0x10 * Data Period : 1
* Data Frames : 1000
* Mon Period : 1
* FreqMode : 1
* Date Format : 1
* Software Version : 3.1Z10
* Firmware Version : 3.2V
* Hardware Version : 6.20
* Serial Number : 41272
* Warranty Date : 09/11/08
* Calibration Date : 09/10/07 09:48:38
* Language : 0
* Model : PS4000
```

* Start * Date	Start Time	Van Avg	Vbn Avg	Vcn Avg	Ia Avg	Ib Avg	Ic Avg	In Avg	Wa Avg	Wb Avg	Wc Avg	VAA Avg	VAb Avg	VAC Avg
10/14/08	16:56:05	494.600000		490.100000		498.600000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:06	494.600000		490.000000		498.400000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:07	494.500000		490.000000		498.400000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08	16:56:12	494.400000		490.000000		498.200000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:12	494.200000		489.500000		498.100000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:13	494.300000		489.900000		498.300000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:14	494.100000		489.700000		498.000000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:15	494.000000		489.600000		497.900000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:16	494.100000		489.900000		498.100000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:17	493.800000		489.600000		497.900000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:19	494.100000		489.800000		498.000000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08	16:56:21	493.900000		489.800000		497.800000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:22	494.200000		490.300000		498.200000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:22	494.700000		490.500000		498.400000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:23	494.200000		490.000000		498.100000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:24	494.000000		489.600000		497.800000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08	16:56:25	494.200000		490.100000		498.200000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08	16:56:29	493.900000		489.600000		497.700000		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00

10/14/08 16:59:25	495.500000	492.200000	499.300000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 16:59:27	496.200000	492.900000	500.200000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:28	495.900000	492.700000	499.600000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:29	496.300000	493.200000	499.900000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:30	496.300000	493.000000	499.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:32	496.000000	492.200000	499.000000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 16:59:36	496.000000	493.200000	499.500000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 16:59:38	496.200000	493.100000	499.300000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:39	496.100000	493.100000	499.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:40	496.100000	493.300000	499.900000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:42	496.200000	493.200000	499.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:43	495.900000	492.900000	499.600000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:44	496.400000	493.200000	499.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:45	496.200000	493.100000	499.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:45	496.000000	492.700000	499.500000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 16:59:53	496.200000	492.900000	499.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 16:59:54	496.300000	492.900000	499.800000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 16:59:59	118.100000	116.800000	121.300000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:01	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:02	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00
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10/14/08 17:00:04	480.600000	481.000000	480.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:04	481.800000	481.900000	481.600000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:05	482.100000	482.300000	482.200000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:06	480.300000	480.600000	480.500000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:07	480.600000	481.000000	480.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:00:08	480.100000	480.800000	480.500000	0.000000	0.000000	0.000000	0.000000	1.00

10/14/08 17:11:10	494.200000	490.800000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:11	494.000000	491.100000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:11	494.100000	490.900000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:12	494.300000	491.000000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:13	494.000000	490.800000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:14	494.400000	491.200000	498.200000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:15	494.600000	491.100000	498.400000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:16	494.000000	490.900000	498.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:18	494.400000	491.200000	498.400000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:19	494.300000	491.100000	498.300000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:20	494.500000	491.100000	498.400000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:21	494.300000	491.200000	498.400000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:21	494.300000	491.200000	498.300000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:22	494.800000	491.700000	498.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:23	494.600000	491.500000	498.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:24	494.800000	491.800000	498.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:25	494.700000	491.600000	498.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:26	494.700000	491.600000	498.800000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:28	494.300000	491.100000	498.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:29	494.500000	491.300000	498.500000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:30	494.800000	491.600000	498.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:31	494.500000	491.200000	498.500000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:31	494.800000	491.800000	499.100000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:32	494.700000	491.800000	499.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:33	495.000000	491.700000	499.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:34	494.800000	491.600000	498.700000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:35	495.000000	491.900000	499.000000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:36	495.100000	492.000000	499.200000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:38	495.100000	492.000000	499.400000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:39	495.200000	492.100000	499.200000	0.000000	0.000000	0.000000	0.000000	1.00
10/14/08 17:11:40	0.000000	2.200000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00

