APPENDIX D

Landscape/Visual Screening Plans
(Initial and Newly Proposed)

South Harper Power Plant
Landscape Design

Purpose

The purpose of this preliminary landscape plan is to provide strategic locations for additional tree and shrub plantings. The trees and shrubs recommended are to enhance the visual and audible properties of the proposed power plant.

Procedure

The trees recommended must meet the following criteria:

1.	Tree maturation height.	>40 feet.
2.	Tree growth rate.	2-4 feet per year.
3.	Tree density.	Evergreens
4.	Tree aesthetics.	Flowering, fruiting, color.
5.	Disease resistance.	Insects, fungus.
6.	Planting locations.	<35 feet under power lines.
7.	Planting conditions.	Wet, dry soil.

The Aquila Forester, John Norris, consulted with H&R Lawn & Landscape, of Overland Park, KS to develop the landscape plan. All trees recommended will meet the above criteria. The plan is a preliminary draft and can be implemented after final construction and grading of the power plant. The size and quantity of the recommended trees are contingent upon the tree availability. The trees recommended are best suited for a Fall planting to ensure their survival. A tree planting and maintenance program will be considered for the long term health of the trees and shrubs.

Recommended Trees

Following are the recommended trees and shrubs proposed for the landscape plan. A brief description is included about the tree and its values and characteristics.

A. Deciduous Trees:

1. Pin Oak *Quercus palustris*

   One of the most widely used trees for landscaping. May reach a height of 60-70' and spread 25-40'. Fastest growing oak, averaging 2.5' per year. Transplants easily on many sites. Tolerant of city conditions. Retains leaves through the winter providing additional screening. Iron chlorosis may occur unless soil pH levels are monitored.

2. Red Maple *Acer rubrum* "Red Sunset"
   One of the best maple cultivars, excellent Fall color. May reach a height of 35-45' with a spread of 30-40'. Moderate growth rate of 1.5 feet per year. No major pests or diseases. Transplants readily in the Spring.

3. Red Bud *Cercis Canadensis*
   Native tree used in grouping and woodland settings. May reach height of 20-30' and a spread of 25-30'. Has moderate growth of about 1 foot per year. May be susceptible to cankers and wind damage. Has nice spring color with a "touch of class". Transplants easily except in wet soils.

4. Flowering Crabapple *Malus Species* "Snowdrift"
   Ornamental tree with beautiful white Spring flowers. Grows to mature height of 20-25' with a spread of 20-25'. Has moderate growth of 1-2' per year. Very adaptable to various soil conditions. May be susceptible to a host of pests and diseases.

5. Various MO Native Trees
   Native trees, birch, hackberry, poplar, willow, hickory and oaks may be planted in groups where special growing considerations are required.

B. Evergreen Trees

1. White Pine *Pinus Strobus*
   A very valuable landscape tree. May reach a height of 50-80' with a spread of 20-40'. One of the fastest growing evergreens at 2-3' per year. Easily transplanted in many soil types. Does not tolerate pollution and salts. May be susceptible to White Pine weevils and blister rust. Dense foliage makes an ideal screen.

2. Colorado Spruce *Picea Pungens*
   A very nice landscape tree. May grow to 30-60' with a spread of 10-20'. Has a slow growth rate of about one foot per year. Transplants readily in moist sunny soil. May be susceptible to a few insects. The blue -green color makes it a nice specimen tree.

3. Austrian Pine *Pinus Nigra*

A very hardy tree to withstand urban conditions. It has a medium growth rate and may reach 45-50' in height with a 20-40' spread. May grow to 100' in ideal conditions. Makes an ideal windbreak or screen using mass plantings.

3. Eastern Redcedar *Juniperus Virginiana*

A very common evergreen native to Missouri. It has a medium growth rate and may reach a height of 40-50' and a spread of 8-20'. Pyramidal when young becoming broad with old age. Great species for windbreaks and shelterbelts. Easily transplanted balled and bur lapped, tolerant of poor conditions.

Berms

Several berms are constructed to provide sight barriers from the adjoining properties. The berms will be constructed from dirt and topsoil from the construction process. Various trees will be planted on the berms to provide additional screenings. The section of berms that are directly below the transmission lines must maintain at least 21 feet of clearance between the ground and the conductors.

Conclusion

This is a preliminary draft for landscape plantings around the power plant.
The plan will provide the plant site a visual appearance of forested woodland. The layered effect, from various tree heights, will provide the desired screening effect. The tree plantings and fence line along the front gate of the power plant must meet the requirements of the security department.

The largest trees available that can be transplanted with a large tree spade will be used. All trees that are to be hand planted will be balled and bur lapped. All trees will require being staked to prevent wind damage. A temporary electric fence will be installed in the pasture along 241 street to prevent the cattle from grazing on the new plantings. A maintenance plan will be considered for the long term health of the plantings.


HARRIS PLACE SUBDIVISION
MOYNA MEADOWS
MOYNA MEADOWS
AUTUMN BLAZE MAPLE 2 1/2" 41 EA.
SPRING SNOW CRAB 2" 30 EA.
RIVERBIRCH CLUMP 12'-14' 16 EA.
AUTUMN BLAZE MAPLE 2 1/2" 43 EA.
SPRING SNOW CRAB 30 EA.
RIVERBIRCH CLUMP 12-14' 7 EA.
OCTOBER GLORY MAPLE 2 1/2" 3 EA.
PLANT LEGEND COUNT
AUSTRIAN PINE 142
MOUNT BATTEN JUNIPER 42
WHITE PINE 66
WHITE PINE - TREE SPADE 5
PIN OAK - TREE SPADE 17
RED OAK 48
OCTOBER GLORY MAPLE 3
RIVER BIRCH - TREE SPADE 9
RED MAPLE - TREE SPADE 2
AUTUMN BLAZE MAPLE 84
SPRING SNOW CRAB 65
RIVERBIRCH 23
TOTAL TREES 492
SPB. WHITE PINE 25' 5 EA.
WHITE PINE 6' 36 EA.
AUSTRIAN PINE 6' 32 EA.
PIN OAK 6' 10 EA.
SPB RIVER BIRCH 2 1/2" 8 EA.
SPB RED MAPLE 6' 2 EA.
AUSTRIAN PINE 12-14' 22 EA.
WHITE PINE 12-14' 30 EA.
SPB. PIN OAK 6' 10 EA.
GAS
RED OAK 2 1/2" 19 EA.
MNT BATTTEN JUNIPER 21 EA.
AUSTRIAN PINE 43 EA.
RED OAK 2 1/2" 21 EA.
MNT BATTTEN JUNIPER 6' 21 EA.
AUSTRIAN PINE 6' 44 EA.
MATCHLINE

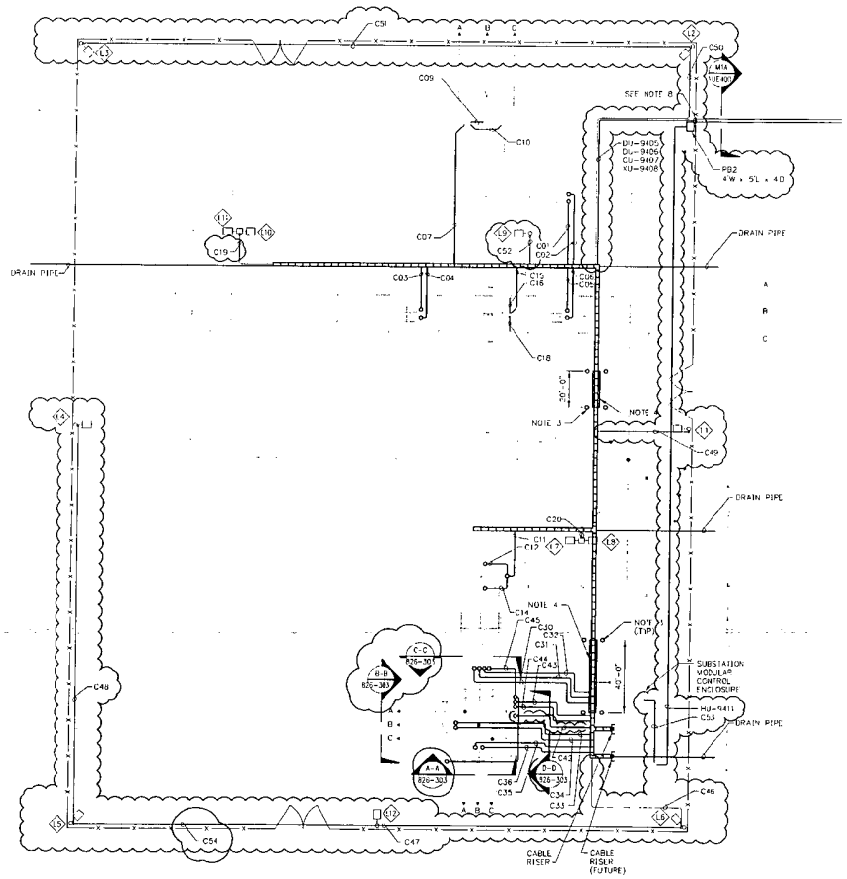
APPENDIX E

Facility Lighting Plan

NOTES:

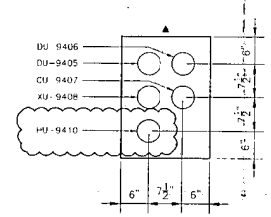
1. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC BURIED A MINIMUM OF 2'-6" BELOW UNFINISHED GRADE UNLESS OTHERWISE NOTED.
2. ABOVE GRADE CONDUIT SHALL BE RGS UNLESS OTHERWISE NOTED.
3. CONSTRUCTION CONTRACTOR SHALL INSTALL 3'-0" HIGH, CAPPED 4 INCH RGS POLE, PAINTED YELLOW, EMBEDDED IN 3'-0" OF CONCRETE TO MARK THE DRIVEABLE SECTIONS OF THE CABLE TRENCH.
4. ALL SECTIONS OF DRIVEABLE SECTIONS OF CABLE TRENCH SHALL BE LENGTH AS SHOWN.
5. ROUTE 4 INCH DIAMETER TRENCH DRAIN PIPES TO DAYLIGHT APPROXIMATE ROUTING IS SHOWN. SLOPE PIPE AT A MINIMUM OF 1.00 PERCENT TO PROVIDE POSITIVE DRAINAGE AWAY FROM TRENCH. INSTALL DRAIN OUTLET PER DWG NO. 102-302 AT DAYLIGHT POINT.
6. SEE MANUFACTURER'S DRAWINGS FOR CABLE TRENCH INSTALLATION DETAILS.
7. SEE DWG NO. 102-302 FOR CONTROL ENCLOSURE CABLE TRAY RISER TO CABLE TRENCH DETAIL.
8. AT TRANSITION FROM CONCRETE USE RIGID STEEL CONDUIT UNTIL A MINIMUM BURY OF 20" THEN TRANSITION TO SCHEDULE 40 PVC. CN-203 TO EXTEND CONDUITS FROM END OF DUCTBANK BY CN-201 TO CABLE TRENCH AS SHOWN.
9. CONDUIT ROUTING IS DIAGRAMATIC AND ACTUAL ROUTING MAY BE DIFFERENT.

REV.	DATE	DESCRIPTION	DWN	CHK
0	11-15-04	ISSUED FOR BID	BGG	AM
1	1-04-05	ISSUED FOR CONSTRUCTION	BGG	AM
2	1-28-05	ISSUED WITH CN 203-S.1 001	DMS	AM
3	2-9-05	ISSUED FOR CN-203-S.1-007	DMS	AM



RACEWAY PLAN

SCALE IN FEET



M1A SECTION
U100

LEGEND:

- LIGHTNING SHIELDING MAST WITH LIGHTS
- PRECAST CABLE TRENCH
- DRIVEABLE SECTION PRECAST CABLE TRENCH
- DIRECT BURIED CONDUIT
- 4" PVC DRAIN PIPE
- LIGHTS

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P.O. Box 1000
Stilwell, Kansas 66085-1000

Aquila

AQUILA INC.

SOUTH HAPPER PEAKING FACILITY
161KV SUBSTATION
RACEWAY PLAN

DESIGN BY JKB	CHECKED BY JKB
DRAWN BY RLK	DATE 5-24-04
CLIENT ID AQU00108	SEGA PROJECT NO 04-0112
CADD FILE NAME 04-112 826 300	
DRAWING NO 826-300	REV 3

REV	DATE	DESCRIPTION	DWN	CHK
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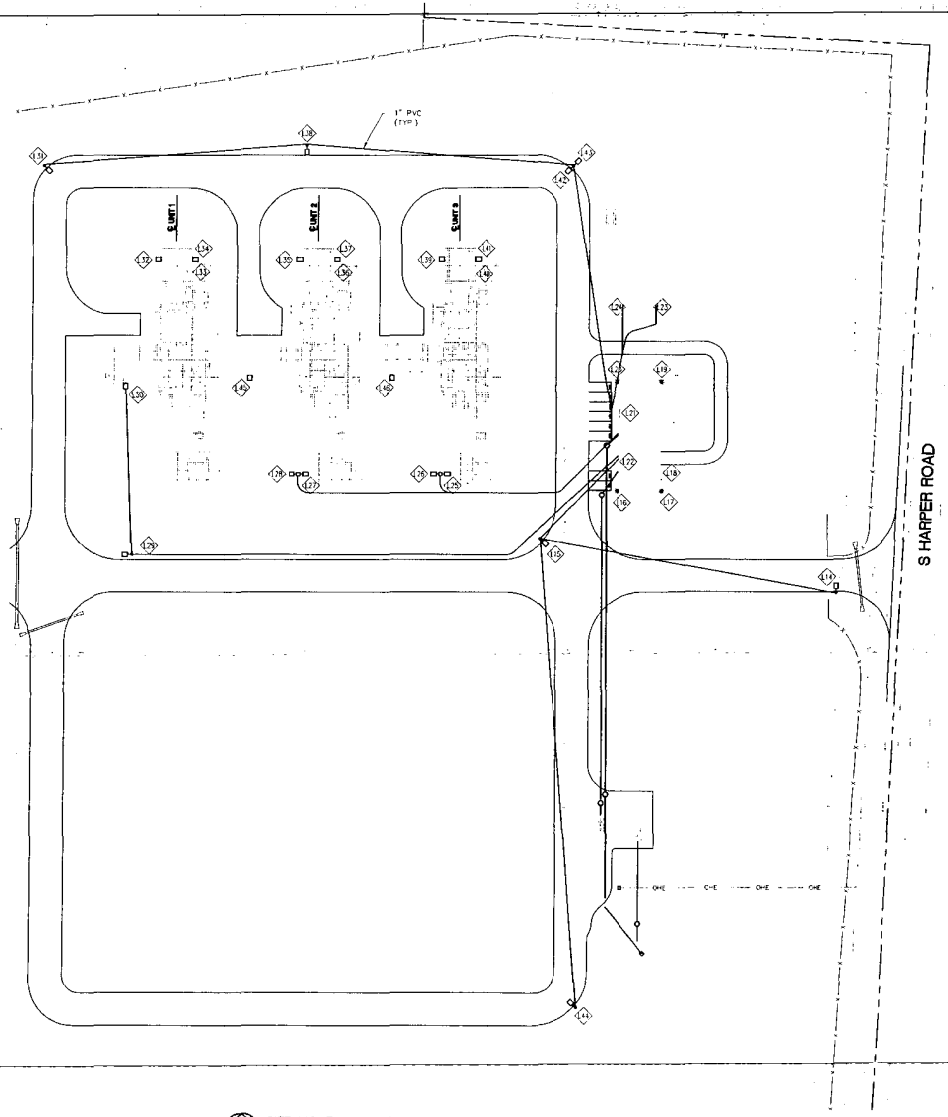

SITE LIGHTING PLAN

SCALE IN FEET

NOTES:
1. ON LIGHTS ON CEN BUILDING & STACK, U.V. CONDUITS #XU-1039 FROM EM-4 TO EM-5, THEN USE #XU-1024 FROM EM-4 TO CEN. NEW CONDUITS FROM HERE TO LIGHTS

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AQUILA INC.

SOUTH HARPER PEAKING FACILITY

CONTRACT 201 SITE PREP & SUBSTRUCTURES

SITE LIGHTING PLAN

DESIGN BY: A. MENDENHALL	CHECKED BY: A. MENDENHALL
DRAWN BY: B. GASPERS	DATE: 9-27-04
CLIENT ID: AQU00108	SEGA PROJECT NO: 04-112
CADD FILE NAME: 04112 E301	
DRAWING NO. E301	REV. 0

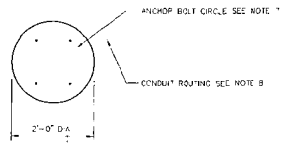
REV.	DATE	DESCRIPTION	DAN	CHK
0	2-17-05	ISSUED WITH CN 201 SI-013	RDC	AM

SITE LIGHTING NOTES:

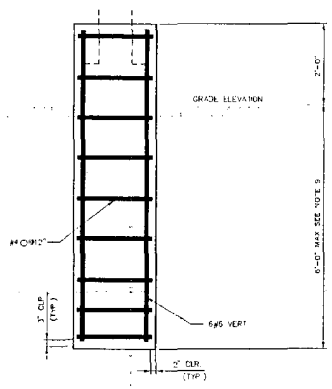
1. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES & POLES.
2. THE ILLUMINANCE PLAN IS MODELED USING LITHONIA'S VISUAL 2.0 LIGHTING PROGRAM. ALL VALUES SHOWN ON THE SITE ILLUMINANCE PLAN ARE IN FOOT CANDLES.
3. SEE PLANS FOR UNDERGROUND COORDINATION WITH FOUNDATIONS AND OTHER UTILITIES.
4. NORTHING & EASTING COORDINATES FOR LIGHT POLES & PEDESTAL ARE MEASURED FROM THE CENTER OF THE PEDESTAL.
5. LIGHTING CIRCUIT SHALL BE 1-3/C-#10 IN 1" PVC CONDUIT.
6. LIGHTS INSIDE SUBSTATION INSTALLED AND WIRED BY CN203 OTHERS WIRED BY CN 201.
7. ANCHOR BOLT SIZE AND BOLT CIRCLE SHALL BE PER MANUFACTURER RECOMMENDATIONS.
8. REFER TO DRAWINGS E300, E301, AND E302 FOR SITE LIGHTING DETAILS.
9. IF ROCK IS ENCOUNTER IN PIER INSTALLATION MINIMUM DEPTH SHALL BE 3'-6" WITH 2'-0" MIN. EMBEDMENT INTO ROCK.

LIGHTING FIXTURE LOCATIONS					
LIGHT	TYPE	NORTHING	EASTING	HT.	MOUNTING
14	A	N 915097.11	E 2794483.19	20'	1
15	A	N 915147.32	E 2794211.45	20'	1
16	D	N/A	N/A	26'	3
17	D	N/A	N/A	26'	3
18	C	N/A	N/A	10'	3
19	D	N/A	N/A	26'	3
20	D	N/A	N/A	26'	3
21	C	N/A	N/A	10'	3
22	C	N/A	N/A	10'	3
23	C	N/A	N/A	10'	6
24	C	N/A	N/A	10'	6
25	B	N 915207.28	E 2794120.08	30'	2
26	B	N 915207.28	E 2794120.08	30'	2
27	B	N 915207.28	E 2793990.08	30'	2
28	B	N 915207.28	E 2793990.08	30'	2
29	A	N 915132.80	E 2793837.21	20'	1
30	D	N/A	N/A	20'	2
31	A	N 915491.14	E 2793755.92	20'	1
32	D	N/A	N/A	20'	4
33	D	N/A	N/A	20'	4
34	C	N/A	N/A	8'	5
35	D	N/A	N/A	20'	4
36	D	N/A	N/A	20'	4
37	C	N/A	N/A	8'	5
38	A	N 915509.74	E 2793996.07	20'	1
39	D	N/A	N/A	20'	4
40	D	N/A	N/A	20'	4
41	C	N/A	N/A	8'	5
42	A	N 915490.62	E 2794240.71	20'	1
43	A	N 915490.62	E 2794240.71	20'	1
44	A	N 914716.98	E 2794245.51	30'	2
45	D	N/A	N/A	20'	7
46	D	N/A	N/A	20'	7

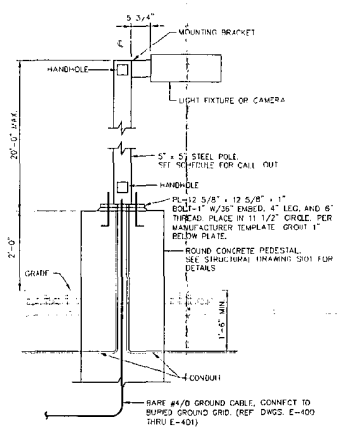
1= POLE
2= LIGHTNING MAST. (SEE B26-702)
3= SERVICE BLDG.
4= STACK
5= CFMS WALL
6= FLAMABLE STORAGE BLDG.
7= AIR INLET FILTER



PLAN



1 TYPICAL POLE FOUNDATION
(14 REQUIRED)
SCALE IN FEET



2 TYPICAL POLE & PEDESTAL
SCALE IN FEET

LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER & MODEL NUMBER	VOLTS	LAMP	BALLAST	POLE	NOTES	FURNISHED BY	INSTALLED BY	WIRED BY
A	OUTDOOR AREA LIGHTING - PLANT	LITHONIA KAD-320M-SR3	480	(1) 350W MH	WITH FIXTURE	LITHONIA SSS-20-5C	OR EQUAL	CN-201	CN-201	CN-201
B	OUTDOOR AREA LIGHTING - SUBSTATION	AMERICAN ELECTRIC LTG 125-25M-P2-TG-HP	120	(1) 250W MH	WITH FIXTURE	N/A	OR EQUAL	CN-10	NOTE 6	NOTE 6
C	OUTDOOR BUILDING MOUNTED - LOW	LITHONIA TWP-70M	480	(1) 70W MH	WITH FIXTURE	N/A	OR EQUAL	CN-201	CN-201	CN-201
D	OUTDOOR BUILDING MOUNTED - HIGH	LITHONIA TWP-175M	480	(1) 175W MH	WITH FIXTURE	N/A	OR EQUAL	CN-201	CN-201	CN-201

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Aquila

AQUILA INC.
SOUTH HARPER PEAKING FACILITY
CONTRACT 201 SITE PREP & SUBSTRUCTURES
SITE LIGHTING DETAILS

DESIGN BY: A. MENDENHALL	CHECKED BY: A. MENDENHALL
DRAWN BY: B. GASPERS	DATE: 9-21-04
CLIENT ID: AQU00108	SEGA PROJECT NO: 04-112
CADD FILE NAME: 04112 E302	
DRAWING NO: E302	REV: 0

APPENDIX F

Facility Security Guidance Documents

Drivers for Aquila's Homeland Security Infrastructure Protection (HSIP) project

1. ***Presidential Decision Directives 62, and 63, Executive Order 13010 and Homeland Security Presidential Directive 7:***
   Established the designation and government intent to protect the nation's critical infrastructure. It further identified energy companies (gas and electric) as being subject to that designation.

2. ***US Patriot Act, Section 1016 (short titled the Critical Infrastructure Protection Act of 2001):***
   Demonstrated Congress' intent to protect the critical infrastructure.

3. ***Federal Energy Regulatory Commission (FERC):***
   First established their intent to secure the electricity sector in their failed notice of proposed rulemaking (NOPR) relating to the Standard Electricity Market Design.

4. ***106 FERC 61,220, 18 CFR Part 35 (March 5, 2004), Section 2.3 and Commission Conclusion:***
   Stated FERC's expectation that Transmission Providers, Market Participants and Interconnection Customers will comply with the recommendations of the National Infrastructure Protection Center, as well as any best practice recommendations or requirements that may be issued by North American Electric Reliability Council (NERC) or any other electric reliability authority.

5. ***FERC Docket No. PL04-5-001 (February 5, 2005):***
   Confirmed FERC's requirements that "Good Utility Practice" includes compliance with the new reliability standards adopted by the NERC, and calling for Congressional legislation providing federally enforceable regime of mandatory reliability.

6. ***National Association of Regulatory Utility Commissioners (NARUC), February 2005:***
   Adopted a resolution recommending to state commissioners that they make NERC reliability standards mandatory, including all relevant standards relating to cyber security and physical security.

7. ***NERC's Emergency Action Standard:***
   Requires companies to certify that certain, specific cyber and physical security measures have been taken to protect critical infrastructure.

8. ***NERC Security Guidelines for the Electricity Sector, June 2002:***
   Provides guidance and best practices for physical and cyber security.

9. ***NERC CIP* – 004-01 (1303 Standard):**
   NERC CIP – 003-01: extends the protection of cyber security assets to generation

plant control rooms, black start generators and substations associated with transmission lines (based upon company's critical assets list).

10. ***49 CFR Part 172 Hazardous Material Security:***
Defines the identification of hazardous materials within the stated standards, special security planning and training for the protection of those chemicals and personnel screening of affected persons.

11. ***DOT-OPS Pipeline Security Information Circular, dated September 5, 2002:***
Requires identification of critical facilities; development and implementation of a security plan and annual review of the plans and compliance reflecting changing conditions.

12. ***Aquila's State leaders Designation of Critical Facilities and Operations, December 2004:***
Established the functional locations/departments designated as critical or key sites. The site designation criteria and final list was developed in conjunction with an operations group chaired by two State Operating Vice Presidents. This plan was subsequently endorsed by Aquila's Chief Operating Officer, Chief Executive Officer and addressed in a letter for the Board of Directors discussing Aquila's fiduciary compliance to security protection and anti-terrorism.

APPENDIX G

West Peculiar Fire Department Equipment List

FM Global Report

Aquila

Terry Hedrick
Director Of Generation Services
Generation
Power Supply

Aquila Networks
10700 East 350 Highway
P.O. Box 11739
Kansas City, MO 64138-1872
Tel 816-737-7854
Fax 816-743-3854
terry.hedrick@aquila.com

September 26, 2005

West Peculiar Fire Protection District
Doug Short, Assistant Fire Chief
200 South Main
Peculiar, MO 64078

Dear Mr. Short:

As per previous discussions with Loren Simmons (Aquila Safety), it is the desire of Aquila to partner with The West Peculiar Fire Protection District (Fire District) on Confined Space Rescue Equipment. As per your submitted "Needs Proposal", Aquila agrees to reimburse the Fire District for items including:

- Rescue Tri-pod
- Pre-rigged Haul Kit
- Class III Full Body Harness
- SKED Rescue Stretcher
- 1/2" Rescue Rope 200'
- 6mm Prussik Cord 150;
- Tubular Webbing
- Petzl Ascender
- Rescue Descender
- NFPA Caribiner
- Rescue Pulley's
- Anchor Straps
- Pick-off Straps
- Rigging Bags
- Helmets

This letter will serve as a document authorizing the Fire District to purchase the above described items, with the commitment from Aquila to provide a check to the Fire District to reimburse related costs (not to exceed $6,000). Aquila also commits to have Loren Simmons work with the Fire District towards training that will meet Aquila's Confined Space Rescue requirements for the South Harper Peaking Facility.

If you have any questions, feel free to contact me at 816-737-7854.

Sincerely,

Terry S. Hedrick
Generation Services Manager

cc: Keith Stamm
Norma Dunn
Max Sherman
Lynn Wilson
Bryan Didier
Loren Simmons
Cindy Reed

FM Global Risk Report

Focus Visit Summary

Aquila, Inc.

South Harper Peaking Facility
24400 South Harper Road
Peculiar, Missouri 64078
USA

Fire & Natural Hazards
Special Risk Evaluation

Visit by:	Ricky M. Scola
Visit date:	02 August 2005
Contact:	Mr. Tom Miller, Plant Manager
Conference with:	Mr. Tom Miller, Plant Manager

Index: 000885.30-01 / Account: 1-56895 / Order ID: 854273-2

Visit Objective

A Special Visit was made to update the progress of construction of this three combustion turbine peak electric generating facility.

The main hazards with combustion turbine is the potential for an explosion firing on natural gas and fire associated with the flammable lube and control oils used on the unit. An adequate control system is provided for the operation of the unit and automatic fire protection is provided in the compartments of the turbine, having flammable liquids or combustibles associated with the occupancy.

"Key Exposures" are those that can most directly impact loss experience. Associated recommendations are flagged as "Key" since they address the hazards that are most likely to lead to a serious loss.

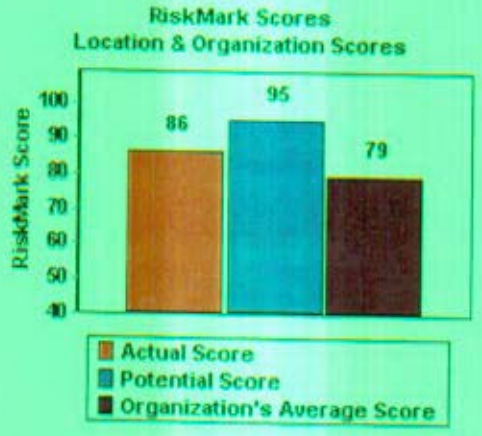
Location Overview

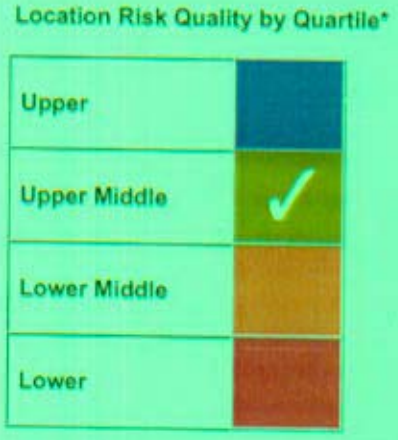
The following display shows the "RiskMark" scores calculated for this location. RiskMark is a benchmarking tool which rates the risk quality of the associated location on a scale of 0-100 (lowest to highest quality). The RiskMark score is calculated taking into account fire hazards, inherent natural hazards, and FM Global loss history for locations with similar occupancies.

Note: RiskMark does not currently include equipment hazards in the scoring calculations; however, future versions will incorporate this aspect of risk quality.

The first chart shows the location score, the location potential score (assuming all recommendations are completed) and the organization's average score (weighted by location value). The potential score may be less than 100 because some hazards cannot be eliminated and some occupancies are inherently more hazardous; each factor can result in an automatic deduction.

To assist in comparison of this location's score relative to other FM Global locations, the second chart displays the range in quartiles of all scores for the locations FM Global has visited worldwide. The checkmark indicates in which quartile this location's score falls. For reference, the lower quartile represents the lowest range of scores and risk quality whereas the upper quartile represents the highest.





*Compared to all FM Global Locations

Further information on RiskMark can be found online at: http://www.fmglobal.com/myrisk/riskmark.pdf

Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

Key Exposures

Experience shows that the majority of all losses in this type of facility can be prevented or minimized by addressing the **Key Exposures**, which are flagged below.

05-08-001 Key

Establish Property Loss Prevention Programs.

A full compliment of property conservation programs should be established. The programs should include, and not be limited to, establishing a scheduled inspection of automatic and manual fire protection equipment, occupancy, building constructions, etc.; locking all fire protection control valves in the wide open position; using the FM Global Red Tag Permit System; using the FM Global Hot Work Permit System; establishing emergency procedures for fire and severe weather conditions; and controlling other ignition sources such as smoking.

The Hazard	Property conservation programs are needed to prevent and control property damages. A fire involving one of the turbine-generators would result in severe damages to the unit and reduce electrical generating potentials by one-third until repairs or replacement can be accomplished.
Technical Detail	To assist in the development of property conservation programs the following materials were left at the plant: A sample inspection form for fire protection equipment, occupancy and construction, the FM Global Red Tag Permit System; the FM Global Hot Work Permit System, and the FM Global pamphlet on establishing emergency procedures for fire and severe weather conditions. In addition, Mr. Tom Miller has been enrolled to receive the FM Global Record Magazine, Publications Catalog, FM Global Research Approval Guide CD, and FM Global Seminar information. To date, use of the FM Global Red Tag Permit System is being used for impairments to the gaseous extinguishing systems associated with the combustion turbine-generators.
Status	According to Mr. Tom Miller, the recommendation will be completed by August 2005.

05-08-002 **Keep flame scanners on the three combustion turbines in service.**

The Hazard	Without flame scanners to detect flame on startup and loss of flame during operation, a fire and/or explosion could occur inside one of the major components of the turbine due to fuel accumulations. Fuel can accumulate due to a slow response by the control system to detect no flame. Damages to the combustion turbine-generator would be severe and the unit involved would be lost for electric generation until repairs or replacement is done.
Technical Detail	The flame detection system presently must detect flame by both scanners during startup to continue operation. At a turbine speed of 1,500 rpm, the flame detection system reverts to a drop in temperature in either the blade path or exhaust area to trip the unit off line and close the gas shutoff valve. The flame detectors in combustors should remain as interlocks to close the fuel shutoff valve in the event of flameout at startup and during operation. The time from flameout to complete cutoff of fuel should not exceed 750 milliseconds. The plan to remove the scanners from service originated during the initial startup of these units. The scanners were not positioned correctly and were tripping the units off-line. After repositioning, the units operated properly.
Status	Siemens has indicated that is the normal arrangement for all new and some existing arrangements where the detector system is faulty.

Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

St. Louis Operations:
FM Global
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141
USA
[1] (314) 453 9660

Stephen F. Dixon, Account Engineer:
FM Global
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141
USA
[1] (314) 453 9660

Reference Information

Site Contact:	Mr. Tom Miller, Plant Manager at +1 816 7438425
Final Conference Attendees:	Mr. Tom Miller, Plant Manager
Location Index Number:	000885.30-01
Account Number:	1-56895

RiskMark Information included in this report is current as of 09 August 2005.

APPENDIX H

Permits

Permit to Construct

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 122004-017 Project Number: 2004-03-143

Owner: Aquila, Incorporated

Owner's Address: 20 West 9th Street, Kansas City, Missouri 64105

Installation Name: South Harper Peaking Facility

Installation Address: 24110 S. Harper Road, Peculiar, Missouri 64078

Location Information: Cass County, S29/32, T45N, R32W

Application for Authority to Construct was made for:

Installation of three natural gas fired simple cycle combustion turbines, a 9.8 million Btu per hour natural gas fired heater, and a 0.47 million Btu per hour emergency diesel fire pump to generate a total nominal electrical power output of 341 megawatts during peak electricity demand periods. This review was conducted in accordance with Section (8), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required.*

☐ Standard Conditions (on reverse) are applicable to this permit.

☑ Standard Conditions (on reverse) and Special Conditions (listed as attachments starting on page 2) are applicable to this permit.

DEC 29 2004

EFFECTIVE DATE

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

Ground Level Emissions Comparison Memos

Aquila

Memo

To: Keith Stamm, Norma Dunn, Lynn Wilson, Max Sherman

From: Block Andrews BA

Date: September 23, 2005

Subject: Comparison of Original MDNR modeling to as-built S. Harper Plant

To help understand the South Harper pollutant impacts on our neighbors, Aquila has gone back to compare the original pollutant impact estimates made by Missouri Department of Natural Resources (MDNR) and Burns & McDonnell to pollutant impacts based on stack testing results. In the original MDNR modeling, they used our permitted emission rates and Siemens-Westinghouse data for the modeling inputs. For the updated modeling runs, Aquila asked Burns & McDonnell to use the same model as MDNR with the same inputs except to update the modeling with our recent stack testing results which include actual emissions, flow rates and stack temperatures and stack height. The results of the comparison are shown the table below.

Comparison of Pollutant Impacts (micrograms/meter cubed)		
Pollutant (time average)	**MDNR memo**	**Actual results**
Carbon Monoxide (1 hour)	76.3	58.4
Carbon Monoxide (8 hour)	24.8	15.8
Nitrogen Oxide (Annual)	0.39	0.02
Particulate Matter (24 hour)	2.6	0.32
Particulate Matter (Annual)	0.04	0.01
Formaldehyde (24 hour)	0.024	Non Detectable
Formaldehyde (Annual)	0.0005	Non Detectable

MDNR's October19, 2004 letter stated that the original impacts were "insignificant".
The actual results are much reduced compared to the MDNR earlier estimates. The primary reasons for the reduction were a combination of the following factors:

- Aquila constructed a taller stack to mitigate noise but this also serves to better disperse the pollutants,
- measured emissions were less than MDNR's permitted levels,
- measured temperatures were warmer than Siemens-Westinghouse estimates. A warmer exhaust gas causes more dispersion,
- measured stack exhaust flows were greater than Siemens-Westinghouse estimates resulting in lower ground level concentrations, and
- Aquila had a diesel fire pump and gas heater emissions in the original MDNR modeling. These pieces of equipment were not constructed. The diesel fire pump was not needed since city water is available to the plant for fire protection. The natural gas heater is not needed because the natural gas temperature is currently adequate for efficient plant operation.

Please call me at 527-1354 if you have questions.

The University of Kansas Medical Center

School of Medicine
Department of Pharmacology
Toxicology and Therapeutics

November 11, 2005

Block Andrews
Aquila, Inc.
20 W 9th St.
Kansas City, MO 64105

Dear Mr. Andrews,

We have reviewed levels of pollutants inside the stack compared to ambient concentration, provided for us by your office. In order to establish a perspective, we added a column listing TLVs (Threshold Limit Value) for the pollutants in a separate column. TLVs are occupational exposure recommendations promulgated by OSHA to become legally binding PELs. TLVs are designed to protect nearly all workers from any adverse health effect during 8 hour work days, 5 times a week for a 45 year working life. All pollutants are about 100 to 10 million times lower than the respective pollutants with the exception of nitrogen oxides, carbon monoxide and particulate matter, which are in the range of their respective TLVs. Therefore, from the pollution point of view the inside of the stack represents an acceptable work environment. Considering the enormous dilution of the air leaving the stack, it is our opinion as toxicologists that there cannot possibly arise any adverse health effect in anybody, even if they lived in the immediate vicinity of the stack.

John Doull, MD, PhD
Professor Emeritus

Karl K. Rozman, PhD, DABT
Professor of Pharmacology

MS 1018, 3901 Rainbow Blvd., Kansas City, Kansas 66160 • (913) 588-7140 • FAX (913) 588-7501
http://www.kumc.edu/pharmacology/

Pollutant	Measured in stack conc. (ppb)	Background levels (ppb)	TLV conc. (ppb)
PAH	0.092	0.043	not available
Napthalene	0.034	0.017	10,000
1, 3 Butadiene	non detected	0.004	2,000
Benzene	0.8	0.15	500
Ethylbenzene	non detected	0.012	100,000
Toluene	0.42	0.7	50,000
Xylene	non detected	0.02	100,000
Formaldehyde	20.54	28.8	ceiling 300
Acetaldehyde	non detected	0.8	ceiling 25,000
Acrolein	non detected	1.2	ceiling 100
Nitrogen Oxides	12.2 (ppm)	unknown	nitric oxide + nitrogen oxide: 25ppm + 3ppm
Carbon monoxide	21.8 (ppm)	unknown	25 ppm
Particulate (<10 microns)	0.0027 (g/m3)	unknown	<3mg/m^3 respirable or <10mg/m^3 inhalable

* For Nox, CO and particulate, a modeled ambient concentration can be given if you need it.

NPDES Land Disturbance Permit

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

MISSOURI STATE OPERATING PERMIT

GENERAL PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.	MO-R106798
Owner:	Aquila, Inc.
Address:	20 West Ninth Street, Kansas City, MO 64106
Continuing Authority:	Same as above
Address:	Same as above
Facility Name:	South Harper Peaking Facility
Address:	24110 S Harper Road, Peculiar, MO 64708
Legal Description:	NE ¼, NE ¼, Sec. 32, T45N, R32W, Cass County
Receiving Stream:	Lake Annette (U)
First Classified Stream and ID:	S Grand River (P) (01249)
USGS Basin & Sub-watershed No.:	10290108-020003

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls

Construction or land disturbance activity (e.g., clearing, grubbing, excavating, grading, and other activity that results in the destruction of the root zone).

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

February 8, 2002
Effective Date

October 1, 2004
Issued Date

Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

February 7, 2007
Expiration Date

James R. Macy, Director, Kansas City Regional Office

MO 780-1481 (7-94)

Dust Control Notification

Aquila

Jeff Creason
Environmental Services
P.O. Box 11739
10700 East 350 Highway
Kansas City, MO 64138
phone (816) 737-7527
fax (816) 743-2931
jeff.creason@aquila.com

May 19, 2005

Ms. Tanya Fells
Missouri Department of Natural Resources
Kansas City Regional Office
500 NE Colburn Road
Lee's Summit, MO 64086

RE: Aquila - South Harper Peaking Facility
24110 S. Harper Road, Peculiar, Missouri 64105
Dust Suppression

Dear Ms. Fells:

This letter is a follow-up to your meeting yesterday with Shiela Wheeler of Burns & McDonnell regarding the National Pollutant Discharge Elimination System (NPDES) application for the above referenced facility. The application describes the proposed use of turbine evaporator cooler blowdown for on-site land irrigation. As mentioned yesterday, Aquila intends to temporarily use the evaporative cooling water to control dust on-site and water newly planted vegetation. For this purpose, evaporator cooling water collected during operation of the turbines will be loaded into a water truck and distributed on-site. The total water volume that will be generated during turbine testing and operation before completion of the irrigation system is unknown, but expected to be relatively small. The rates of water production, and constituent concentrations will not exceed those listed in the permit application.

If you have any questions regarding this letter, please contact me at (816) 737.7527.

Sincerely,

Jeff Creason
Environmental Engineer

cc: Shiela Wheeler, Burns & McDonnell
Tom Miller
Allan Dancy
Steve Brooks
Block Andrews

NPDES Land Irrigation Permit

Aquila, South Harper Peaking Facility
Cass County
MO-[illegible] 31857

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

December 20, 2005

Mr. Glenn P. Keefer
Aquila, Operating VP Missouri Electric
20 West Ninth Street
Kansas City, MO 64106

Dear Mr. Keefer:

Your application for wastewater works to serve the Aquila, South Harper Peaking Facility has been approved by the Department of Natural Resources as evidenced by Construction Permit Number: 21-8341.

This permit will expire one year from the date of issuance unless justification for extension is presented [illegible] 30 days prior to expiration.

In addition to the requirement [illegible] construction permit land disturbance activities of one acre or more require a Missouri State Operating Permit to discharge storm water (10 CSR 20-6.200). The permit requires best management practices [illegible] storm runoff and sedimentation to protect waters of the state. To obtain this permit, submit [illegible] and a permit fee of $300.00 to the Missouri Department of Natural Resources, Kansas City Regional Office, 500 Northeast Colbern Road, Lee's Summit, Missouri 64086.

Following completion of [illegible] submit the following:

1. Form A - Application [illegible] or Operating Permit signed by an officer having responsibility for the overall operation [illegible] facility.

2. The first annual permit [illegible]

3. The enclosed engineering [illegible] form.

If you have any questions, please [illegible] Kansas City Regional Office at 500 Northeast Colbern Road, Lee's Summit, Missouri 64086 or [illegible] 2-7900. Thank you.

Sincerely,

KANSAS CITY REGIONAL OFFICE

Karl Fett
Interim Regional Director

KFF:[illegible]

Enclosures

c: Mr. Chris Rogers, PE, Sega Engineers
Ms. Sheila M. Wheeler, Senior Environmental Scientist, Burns & McDonnell

Aquila, South Harper Peaking Facility
Cass County
MO-[illegible] 31857

[illegible] POLLUTION TLB / PEP 21 8341.doc

[illegible] South [illegible]

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

CONSTRUCTION PERMIT

The Missouri Department of Natural Resources [illegible]

[illegible]

[illegible]

[illegible]

Permit Conditions:

[illegible]

Construction of such projects [illegible] Water Law, Chapter 644, RSMo [illegible] The Department of Natural Resources [illegible]

[illegible] Department of Natural Resources [illegible]

[illegible] and specifications [illegible]

The permit applicant [illegible] environmental regulations [illegible]

[illegible] Date

[illegible] Director, Department of Natural Resources

[illegible] Date

[illegible]

DESCRIPTION OF FACILITIES

Consists of a steel storage tank and sprinkler irrigation system for summer irrigation. The steel storage tank has a volume of approximately 100,000 gallons with all required appurtenances as specified in the plans and specifications to make this a complete and usable treatment facility.

The facility has a design average daily flow of 100,000 gallons per day and is located in the NE ¼, NE ¼, S 32, T 45 N, R 32 W, in Cass County, Missouri.

PERMIT CONDITIONS

1. The Department of Natural Resources, Division of Environmental Quality (DEQ) has not conducted a detailed review of the plans and specifications submitted for this project. The design engineer, being a registered engineer in the state of Missouri, is responsible for the safety as well as the physical, chemical, and biological integrity of the design. It is the responsibility of the owner and the engineer to insure the facilities built under this permit meet the state regulation on effluent limitations 10 CSR 20-7.015 and the design guides 10 CSR 20-8.110 through 8.200.

2. Any facility built under this permit must meet the limits established in the NPDES permit. Facilities failing this requirement shall be corrected immediately or the operating permit shall be revoked and the owner subject to litigation, if the discharge continues.

Engineering Certification

Department of Natural Resources
Kansas City Regional Office
500 Northeast Colbern Road
Lee's Summit, Missouri 64086

1. Name of Project _____

2. Location of Project _____

3. Constructed Under Construction Permit Number: _____

4. Brief Description:

_____

_____

_____

_____

5. **Certification:** I am a Missouri registered professional engineer and hereby certify that I have inspected these facilities and find them to be constructed essentially in accordance with the construction permit conditions and approved plans and specifications. I recommend acceptance and approval by the Missouri Clean Water Commission

_____ _____
Project Engineer's Signature Date

_____
Printed Name

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM WATER POLLUTION BRANCH
(SEE MAP FOR APPROPRIATE REGIONAL OFFICE)

FORM A — APPLICATION FOR CONSTRUCTION OR OPERATING PERMIT UNDER MISSOURI CLEAN WATER LAW

FOR AGENCY USE ONLY

NOTE ▶ PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM.

1.00 This application is for:
- ☐ a construction permit
- ☐ an operating permit for a new or undermitted facility
- ☐ an operating permit modification
  Reason: _____
- ☐ an operating permit renewal permit #
  Expiration date: _____
- ☐ a site specific storm water permit

(See instructions for appropriate fee to be submitted with application.)

2.00 FACILITY

NAME | PHONE | FAX

ADDRESS (MAILING) | CITY | STATE | ZIP

2.10 Is this a new facility constructed under a Missouri Construction Permit? ☐ YES ☐ NO

If yes, please provide Missouri Construction Permit Number: _____

3.00 OWNER

NAME | EMAIL ADDRESS | PHONE | FAX

ADDRESS (MAILING) | STATE | ZIP

3.10 Request review of draft permit [illegible]? ☐ YES ☐ NO

4.00 CONTINUING AUTHORITY

NAME | PHONE | FAX

ADDRESS (MAILING) | CITY | STATE | ZIP

5.00 OPERATOR

NAME | CERTIFICATE NUMBER | PHONE | FAX

ADDRESS (PHYSICAL) | CITY | STATE | ZIP

6.00 FACILITY CONTACT

NAME | TITLE | PHONE | FAX

7.00 ADDITIONAL FACILITY INFORMATION

7.10 Legal Description of Outfalls (Attach additional sheets if necessary)

001	¼	¼	Sec	T	R	County
002	¼	¼	Sec	T	R	County
003	¼	¼	Sec	T	R	County
004	¼	¼	Sec	T	R	County

7.20 Primary Standard Industrial Classification (SIC) Code: _____

8.00 ADDITIONAL FORMS AND MAPS NECESSARY TO COMPLETE THIS APPLICATION
(Complete all forms that are applicable)

A. Is your facility a manufacturing, commercial, mining or silviculture waste treatment facility? ☐ YES ☐ NO
If yes, complete Form C

B. Is your facility considered a "Primary Industry" under U.S. EPA guidelines? ☐ YES ☐ NO
If yes, complete Forms C and D.

C. Is application for storm water discharges only? ☐ YES ☐ NO
If yes, complete U.S. EPA Form 2F

D. Attach a map showing all outfalls and the receiving stream at 1" = 2000' scale

E. Is wastewater land applied? ☐ YES ☐ NO

F. Is sludge, biosolids, ash or residuals generated, treated, stored or land applied? ☐ YES ☐ NO
If yes, complete Form R.

9.00 DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See instructions. (PLEASE SHOW LOCATION ON MAP SEE 8.00 D ABOVE.)

NAME			
ADDRESS	CITY	STATE	ZIP

10.00 I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant under the Missouri Clean Water Law to the Missouri Clean Water Commission.

NAME AND OFFICIAL TITLE (TYPE OR PRINT)	PHONE NO. (AREA CODE & NO.)
SIGNATURE	DATE SIGNED

MO 780-1579 (8-5)

BEFORE MAILING, PLEASE ENSURE ALL SECTIONS ARE COMPLETED AND ADDITIONAL FORMS, IF APPLICABLE, ARE INCLUDED.

HAVE YOU INCLUDED:

- ☐ Appropriate Fees?
- ☐ Map at 1" = 2000' scale?
- ☐ Signature?
- ☐ Form C, if applicable?
- ☐ Form D, if applicable?
- ☐ Form 2F, if applicable?
- ☐ Form I (Irrigation), if applicable?
- ☐ Form R (Sludge), if applicable?

INSTRUCTIONS FOR COMPLETING FORM A
APPLICATION FOR CONSTRUCTION OR OPERATING PERMIT

1.00 Check which permit type is applicable. DO NOT CHECK MORE THAN ONE ITEM.
Operating permit refers to permits issued by the Department of Natural Resources, Water Protection Program, Water Pollution Branch.

CONSTRUCTION PERMIT FEES

A. $750 for a sewage treatment facility with a design flow of less than 500,000 gallons per day
B. $2,200 for a sewage treatment facility with a design flow of 500,000 gallons per day or more
Different application and construction fees are applicable if only sewer and/or lift stations are to be constructed.

OPERATING PERMIT FEES

A. Discharges covered by section 644.052.4 RSMo (Primary or Categorical Facilities):
$3500 for a design flow under 1 mgd
$5000 for a design flow of 1 mgd or more
B. Discharges covered by section 644.052.5 RSMo (Secondary or Non-Categorical Facilities)
$1500 for a design flow under 1 mgd
$2500 for a design flow of 1 mgd or more

IF THE APPLICATION IS FOR A SITE SPECIFIC PERMIT RE-ISSUANCE, SEND NO FEES. YOU WILL BE INVOICED SEPARATELY BY THE DEPARTMENT.

SITE-SPECIFIC STORM WATER DISCHARGE FEES
A. $1350 for a design flow under 1 mgd
B. $2350 for a design flow of 1 mgd or more

Permit modifications, including transfers, are subject to the following fees:
A. Municipals - $200 each
B. All others - 25% of annual fee
Note: Business name and address changes where owner, operator and continuing authority remain the same are not considered transfers.

Incomplete permit applications and/or related engineering documents will be returned by the department if they are not completed in the time frame established by the department in a comment letter to the owner. Permit fees for returned applications shall be forfeited. Permit fees for applications being processed by the department that are withdrawn by the applicant shall be forfeited.

2.00 Name of facility - by what name is the facility known locally? Example: Southwest Sewage Treatment Plant, Country Club Mobile Home Park, etc. Give the street address or location of the facility. If the facility lacks a street name or route number, give the names of the closest intersecting highway, county road, etc.

2.10 Construction permit refers to permits issued by the Department of Natural Resources, Water Protection Program, Water Pollution Branch.

3.00 Owner - legal name and address of owner.

3.10 If checked "YES", the statutory timeframe for issuing a final action on the permit application shall begin on the date the application or preliminary review comments are received by the department.

4.00 Continuing Authority - permanent organization which will serve as the continuing authority for the operation, maintenance and modernization of the facility.

5.00 Operator - name, certificate number and telephone number of the person operating the facility.

5.00 Give the name, title, and work telephone number of a person who is thoroughly familiar with the operation of the facility and with the facts reported in this application and who can be contacted by the department if necessary.

7.10 An outfall is the point at which wastewater is discharged. Outfalls should be given in terms of the legal description of the facility.

7.20 List only your primary Standard Industrial Classification (SIC) code. The SIC system was devised by the U.S. Office of Management and Budget to cover all economic activities. To find the correct SIC code, an applicant may check his or her unemployment insurance form or contact the Missouri Division of Employment Security (573) 751-3215. The primary SIC code is that of the operation that generates the most revenue. If this information is not available, the number of employees or, secondly, production rate may be used to determine your primary SIC code.

8.00 If you answer "yes" to A, B, C, D, E or F, then you must complete and file the supplementary form(s) indicated. A USGS 1" = 2000' scale map must be submitted with the permit application showing all outfalls, the receiving stream, and the location of the downstream property owners.

9.00 Provide the name and address of the first downstream landowner, different from that of the permitted facility, through whose property the discharge will flow, and indicate location on map. For no discharge facilities, provide the information for the location where discharge would flow if there was one. For land application sites, include the owners of the land application sites and all adjacent land owners.

10.00 Signature - all applications must be signed as follows and the signature must be original:

a. For a corporation, by an officer having responsibility for the overall operation of the regulated facility or activity or the environmental matters
b. For a partnership or sole proprietorship, by a general partner or the proprietor;
c. For a municipal, state, federal, or other public facility, by either a principal executive officer or by an individual having overall responsibility for environmental matters at the facility.

This completed form, along with the applicable permit fees, should be returned to the appropriate Regional Office (see map). If there are any questions concerning this form, please contact the appropriate Regional Office or the Department of Natural Resources, Water Protection Program, Water Pollution Branch, NPDES Permits and Engineering Section at (573) 751-6825.

MO 780-1479 (8-93)

Sanitary Water/Sewage Lagoon Permit

CASS COUNTY HEALTH DEPARTMENT
ON SITE SEWAGE DISPOSAL SYSTEM
CONSTRUCTION PERMIT APPLICATION
300 S. Main, Harrisonville, Mo 64701
816 380-8426

CASS COUNTY MISSOURI

CCHD use only

APPROVED (Yes) No Date 2/24/05

Permit Number 05-018

Date Issued 2/24/05

Date permit fee $200 paid 2/24/05

Expiration Date 8/24/05

EPHS Signature Wayne Jeffery

Date 2/24/05

Property Owner Name

Aquila Inc. c/o Mr. Terry Hedrick

Site Address (911/ENS)

24400 South Harper Road

City Zip Code

Cass County, MO 64078-9086

Subdivision Lot

Directions to Site

From Highway US-71, take MO-J/MO-C to 227th Street. Turn West on 227th Street to South Harper. Turn South on South Harper Road.

3. Mailing Address (if different from above)

Attn: Terry Hedrick
10700 E. 350 Highway

Day phone number (816)737-7854

Night phone number ( )

City Kansas City State MO Zip Code 64138

4. System Is New Construction ☒ Repair Existing System ☐ Tank Set Only ☐

5. System Serves Residence ☐ Business ☒

Single Family ☐ No. Bedrooms

Multi-Family ☐ Laundry Facility

Whirlpool Bath ☐
Garbage Disposal ☐
Dishwasher ☐

Food Service ☐
Lodging ☐
Other (specify) ☐

Daily Sewage Flow (gallons per day)

6. Water Supply Public ☒ Private ☐

Name of Supply: PWSD #7

Type of Supply: Bored well ☐ Dug well ☐ Driven well ☐ Drilled well ☐ Other (specify)

7. Lot Size Acres: 78 Slope: 3% Indicate direction of slope on Site Plan: North to South

8. Soil Information Include percolation test or soil scientist report with the application

Percolation Test Percolation Rate (min/inch): Not Suitable

Soil Morphology ☑ Soil Type Soil Texture % Clay Application Rate

9. Name of Percolation Tester or Soil Scientist: Doug Berka

Address: 7354 N. Shannon Ave

Phone Number: (816)914-8849

City: Kansas City State: MO Zip Code

10. Proposed System — Complete information only for the system you plan to construct

A. Available Systems

Percolation Rate

10-60 min.in.	60-120 min.in	120 min.in or above
Rock and Pipe System	Engineered conventional systems based on 600 square feet per bedroom per day	Waste Stabilization Pond
Graveless Chamber System	Low Pressure Pipe System	Drip Irrigation System
Low Pressure Pipe System	Drip Irrigation System	
Graveless Pipe System		
Drip Irrigation System		

B. ☒ ~~Sewage Tank~~ Holding Tank — Absorption Field

Manufacturer: N — Type Construction: Company or Name

Liquid Capacity: 1600 gal (~~1200~~) — Material: Concrete

Septic ☐

Aerated ☐ NSF Class I Y ☐ N ☐

Distance from: Well N.A. — House N.A. — Service Building 300 feet

Serial Dist (Land Block) ☐ — Flat Lot Layout ☐

Total Absorption Area — No. of Trenches

Trench Width — Trench Depth

Distances from: Well — House

Property lines — Water lines

Stream, river, pond or lake — Neighbor's well

Show location of house, tank, absorption field, wells, water lines, bodies of water, geological features, easements, and all setback distances on the Site Plan.

C. ☐ Waste Stabilization Pond

Lagoons will not be allowed in front yards.

Pond Seal

Dimensions

Length x width or diameter: 40' x 40'

Total Water Surface Area Square feet

Working Depth: 4'

Native soil ☑ — Artificial Liner ☐

Bentonite Clay ☐ — Clay from another source ☐

Type of equipment used to compact soil:

Indicate location of discharge pipe, fence, gate and all setback distances on Site Plan.

11. Installer — Registered Y ☒ N ☐

Name: Lloyd Buckner — Phone Number (816) 987 2109

Address: 1314 Maple Lane

City: P. Hill — State: MO — Zip Code: 64080

All information contained in and with this application packet is true and accurate to the best of my knowledge.

12. Signature of Owner or Agent: [signature] — Date: 2/24/2005

CCHD USE ONLY

Construction Inspection Approval		Pump Tank Inspection		Lagoon Fence Inspection	
Date	EPHS Initial	Date	EPHS Initial	Date	EPHS Initial
9/30/05	DW7	—	—	9/30/05	DW7

Occupancy Permit

Cass County Health Department

300 So. Main, Harrisonville, Mo. 64701
816-380-8425—Fax 816-380-8450

August 1, 2005

To: Aquila South Harper Plant

Subject: Ninety-Day Temporary Occupancy Permit

This letter is in reference to the Aquila Electric Plant in Peculiar. A 90(ninety)-day permit will be issued by this Department for occupancy of the power plant. Once the work trailers are removed and final grade can be done around the lagoon a reinspection may be called for and the final inspection can occur. The temporary permit shall be granted for a period beginning 8/1/05 and ending 11/1/05. If there are any questions please contact the office at 816-380-8425.

Aquila Representative

Fred N Woerner/Sega Inc

Health Department Official

Wayne Tiffany CCHD

US Army Corps of Engineers Correspondence

DEPARTMENT OF THE ARMY
KANSAS CITY DISTRICT, CORPS OF ENGINEERS
700 FEDERAL BUILDING
KANSAS CITY, MISSOURI 64106-2896

REPLY TO
ATTENTION OF:

October 19, 2004

Regulatory Branch
(200402288)
(Cass County, NPR)

Brad Guhr, Wetland Scientist
Burns & McDonnell
9400 Ward Parkway
Kansas City, Missouri 64114-3319

Dear Mr. Guhr:

This is in response to your letter received on September 15, 2004, requesting a Department of the Army (DA) permit determination concerning the proposed South Harper Peaking Facility to be constructed by Aquila, Incorporated. The project is located in Sections 29 and 32, Township 45 north, Range 32 west, Cass County.

The Corps of Engineers has jurisdiction over all waters of the United States. Discharges of dredged or fill material in waters of the United States, including wetlands, require prior authorization from the Corps under Section 404 of the Clean Water Act (33 USC 1344). The implementing regulation for this Act is found at 33 CFR 320-330.

The enclosed Jurisdictional Determination (JD) form describes the extent of waters of the United States on the project site. Also, the enclosed Notification of Administrative Appeal Options and Process and Request for Appeal form (FORM) describes your options in Section E of the FORM. If you choose to appeal, and you have new information concerning the elevation of the OHWM, you should complete Section # II of the FORM and return the FORM to this office. If you choose to appeal, but have no new information, please submit the completed FORM directly to **U.S. Army Corps of Engineers, Commander, Northwestern Division (ATTN: CENWD-CM-OR), 12565 West Center Road, Omaha, NE 68144-3869**.

We have reviewed the information furnished and have determined that the proposed activity will not involve the discharge of dredged or fill material in waters of the United States. Therefore, Department of the Army permit authorization is not required. Other Federal, state and/or local permits may be required, however, and you should verify this yourself.

Mr. Douglas R. Berka, Regulatory Project Manager, reviewed the information furnished and made this determination. If you have any questions concerning this matter, please feel free to contact Mr. Berka at 816-983-3657 (FAX 816-426-2321).

Enclosure

Copies Furnished:

Environmental Protection Agency

US Fish & Wildlife Correspondence

Burns & McDonnell
SINCE 1898

10-28-04 2:49 p.m.

OPTIONAL FORM 99 (7-90)
FAX TRANSMITTAL
# of pages ▶ 3
To Brad Guhr
From Ellie
Dept./Agency Wetland Scientist
Phone # 573-234-2132 X 100
Fax # 816-~~333-3640~~ 822-3565
Fax # 573-234-2181
NSN 7540-01-317-7368
GENERAL SERVICES ADMINISTRATION

September 2, 2004

Mr. Charlie Scott
Field Supervisor
U.S. Fish and Wildlife Service
Missouri Ecological Services Office
101 Park DeVille Drive, Suite A
Columbia, MO 65203-0007

FILE

REC'D SEP 15 2004

South Harper Peaking Facility
Request for Agency Concurrence
Project No.: 37273

Dear Mr. Scott:

Burns & McDonnell Engineering, Inc. (Burns & McDonnell) has been retained by Aquila Inc. (Aquila) to obtain the necessary environmental permits and/or clearances for the proposed South Harper Peaking Facility approximately two miles southwest of Peculiar in Cass County, Missouri (Figure 1; Appendix A). Aquila proposes to construct, own, and operate a new, nominal 315 MW peaking power generation facility. The South Harper Peaking Facility (Project) will consist of three simple-cycle, natural gas combustion turbine generators to meet the increasing power consumption requirements in the northwest Missouri Region. As a peaking power facility, the Project is expected to operate no more than 6,000 hours per year, primarily on warm summer days when the demand for electrical power is the highest.

The Project will be constructed on a parcel of land approximately 73 acres in size; however, the actual land disturbance is anticipated to be only about 38 acres, including the Project footprint and temporary construction areas. The 73-acre site is located in the southeast quarter (SE¼) of the southeast quarter (SE¼) of Section 29, and the northeast quarter (NE¼) of the northeast quarter (NE¼) of Section 32, Township 45 North, Range 32 West. An existing 69-kV electrical transmission line owned by Aquila intersects the Project site and will allow for interconnection to the electric grid. An existing 20-inch natural gas pipeline, owned by Southern Star Pipeline Company, also intersects the Project site and will be used for the fuel supply. Construction of the Project is expected to begin in the fall of 2004 and will be completed by summer 2005.

The proposed Project site was visited on August 19th and 20th, 2004 to assess the projects potential to impact threatened and endangered species. Prior to the site visit, available information for Cass County was obtained from the U.S. Fish and Wildlife Service (FWS) and Missouri Department of Conservation (MDC) Internet web sites.

9400 Ward Parkway
Kansas City, Missouri 64114-3319
Tel: 816 333-9400
Fax: 816 333-3600

Other sources of site information included the 1994 USGS topographic map for the Peculiar Quadrangle, 1954 (Photo-Revised 1981), the U.S. Department of Agriculture Soil Survey for Cass County, Missouri, and aerial photographs of the project site and surrounding area. According to the FWS and MDC, two protected species are known or are likely to occur in Cass County.

Protected Species Known or Likely to Occur in Cass County			
Common Name	**Scientific Name**	**State Status**	**Federal Status**
Mead's Milkweed	*Asclepias meadii*	Endangered	Threatened
Barn Owl	*Tyto alba*	Endangered	-
Based on information provided by the FWS http://midwest.fws.gov/Endangered/lists/missouri-cty.html and MDC Natural Heritage Database http://www.conservation.state.mo.us/cgi-bin/heritage/search.cgi?county=CASS			

Mead's milkweed prefers mesic to dry prairies, prairie hay meadows, and virgin mesic silt loam prairies. Barn owls forage in open grasslands or crop fields and nest in abandoned buildings, farm outbuildings, or cavity trees greater than 20 inches in diameter at breast height (dbh).

The proposed Project site consists mostly of open pasture (Figure 2) (Photograph 1; Appendix B). Vegetation at the Project site consists of non-native pasture grasses, primarily smooth brome (*Bromus inermis*) and tall fescue (*Festuca elatior*), and associated invasive, disturbance-tolerant forbs such as common milkweed (*Asclepias syriaca*), horse nettle (*Solanum carolinense*), field bindweed (*Convolvulus arvensis*), fire-on-the-mountain (*Euphorbia cyathophora*), foxtail (*Setaria* sp.), white clover (*Trifolium repens*), red clover (*Trifolium pratense*), ironweed (*Vernonia baldwinii*), and daisy fleabane (*Erigeron strigosus*). Woody vegetation in the area is restricted to a few small clumps of trees and shrubs in drainages and depressions (Photograph 2). These areas include saplings and small trees of black willow ((*Salix nigra*), green ash (*Fraxinus pennsylvanica*), eastern cottonwood (*Populus deltoides*), osage orange (*Maclura pomifera*), honeylocust (*Gleditsia triacanthos*), and a shrub layer that consisted of roughleaf dogwood (*Cornus drummondii*) and buckbrush (*Symphoricarpos orbiculatus*).

Potential habitats for Mead's milkweed and barn owls were not observed at the proposed site. Tallgrass prairies and cavity trees greater than 20 dbh were not present. The site was dominated by grass pastures that appear to be regularly grazed (see site photos). Recent evidence of the presence of cattle was observed over the entire site. Raptor stick nests were not observed in any of the trees in the vicinity of the proposed project area. A number of livestock ponds were present along drainages in the project area (Photograph 3), but the large pond in the southern portion of the site (Figure 2) has been removed (Photograph 4).

Burns & McDonnell
SINCE 1898

Based on the site survey, Burns & McDonnell has concluded that construction and operation of the Project will not result in any significant impacts to threatened and endangered species or their critical habitats. Construction of the proposed facility will occur within previously disturbed agricultural lands, not impact any wetlands, and will not require any tree clearing.

We are seeking to gain your concurrence with our findings regarding construction of the proposed Project. Your assistance in identifying resource issues/concerns is appreciated and an expeditious response to this inquiry would be greatly appreciated. If you have any questions regarding this project, please contact me at (316) 283-4114 or by e-mail at bguhr@burnsmcd.com.

Sincerely,

Brad Guhr

Brad Guhr
Wetland Scientist

Encl.

cc: Block Andrews, Aquila;
John Stower, Burns & McDonnell
Files

"The U.S. Fish and Wildlife Service has reviewed the subject proposal and accompanying information and determined that the activity as described, is not likely to adversely affect federally listed species or designated critical habitat; consequently, this concludes section 7 consultation. Please contact the Missouri Department of Conservation (573/751-4115) for state listed species of concern." Rick L Hansen 4 October 2004

for the Field Supervisor Date

Missouri Department of Conservation Correspondence

MISSOURI DEPARTMENT OF CONSERVATION

Headquarters

2901 West Truman Boulevard, P.O. Box 180, Jefferson City, Missouri 65102-0180

Telephone: 573/751-4115 ▲ Missouri Relay Center: 1-800-735-2966 (TDD)

JOHN D. HOSKINS, Director

September 23, 2004

Mr. Brad Guhr
9400 Ward Parkway
Kansas City, Missouri 64114-3319

Dear Mr. Guhr:

Thank you for your letter of September 2, 2004, regarding possible effects of your project on species of conservation concern. I hope the enclosed Heritage Review Report meets your needs. It provides a "snapshot" of what we know today about sensitive resources near your project site, ways a project like yours might affect them and any "best management" recommendations.

This report should also meet needs for compliance with various permitting processes designed to protect the environment. MDC is not authorized under federal law to give "clearance" or set requirements for project completion. Our role, developed over years of working with the agencies that have regulatory responsibility, is primarily to identify issues of concern and ways to minimize adverse impacts. Permitting agencies normally consider and sometimes rely on our suggestions as they set project conditions and requirements.

Incorporating information from our Heritage records into project plans can help reduce unnecessary impacts to Missouri's sensitive natural resources. However, our records are just one source. Other types of information, such as wetland maps, soils maps, surveys and on-site inspections should be considered. Ultimately, the project manager must compare reports like this to actual current conditions and act responsibly to comply with laws, regulations and permit conditions.

The format of this report is somewhat different than we have used in the past, and I hope it is an improvement. If you have any comments or concerns about the changes, or any other element of our approach to heritage review, please give me a call or e-mail me at Shannon.Cave@mdc.mo.gov.

Thank you for the opportunity to review and comment.

Sincerely,

SHANNON CAVE
PUBLIC INVOLVEMENT COORDINATOR

SDC:kf

Enclosure

Heritage Review Report

Missouri Department of Conservation
Attn: Shannon Cave
Public Involvement Coordinator
P. O. Box 180
Jefferson City, MO 65102
Shannon.Cave@mdc.mo.gov
573-522-4115 Ext. 3250

Mr. Brad Guhr
Burns & McDonnell
9400 Ward Parkway
Kansas City, Missouri 64114-3319

Project type: Power plant
Location: T45N R32W S29 & 32
County: Cass
Described in query as: South Harper Peaking Facility
Date query received: September 23, 2004

This is not a site clearance letter, but a report of Missouri Department of Conservation records concerning public lands and sensitive resources known to be near and possibly affected by the proposed project.

Species/habitats with Federal restrictions: No Records Found

Species/habitats with State restrictions: No Records Found

Concerns & management recommendations[1] based on site or project details, not related to specific heritage records:

Habitat loss can impact populations of grassland birds native to the area, including barn owls (state endangered), northern harriers (state endangered), Henslow's sparrow (imperiled in the state), and greater prairie-chickens (state endangered). Revegetation with native grasses and other flowering plants will minimize the impact of habitat disturbance. Best management practices may be found on-line at http://www.mdc.mo.gov/nathis/endangered/bmp.htm.

The project area occurs in a region of karst geology, characterized by subterranean water movement. Features like caves, springs, and sinkholes are common. Cave fauna are influenced by water pollution and other changes to water quality. Every effort should be made to protect groundwater in the project area. See http://www.mdc.mo.gov/documents/nathis/endangered/karst.pdf for best management information.

Some raptors, including far-ranging species that are endangered or threatened, are prone to electrocution because of their size, behavior, and perching habits, especially on power poles. By increasing the gap between ground wires and energized conductors to 4 feet, the risk of electrocution can be reduced. Wires and other metal equipment can also be insulated. Locating wooden perches well above energized wires, and installing guards for perches in dangerous areas, may also help avoid problems.

Prepared by Shannon Cave **Date** 9/23/2004

[1] Contact us for printed versions of best management practices, please.

A HERITAGE REVIEW requires a project description[2] and specific site location[3]. Based on that information, the review provides information about species and habitats of concern that could[4] be affected by the project. Three different kinds of information are provided.

- **"Species/Habitats With FEDERAL RESTRICTIONS"** lists species that have been known to exist near enough to the project site to warrant concern and protected under the Federal Endangered Species Act. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.
- **"Species/habitats with STATE RESTRICTIONS"** lists species known to exist near enough to the project site to warrant concern and protected under the Wildlife Code of Missouri (RSMo 3 CSR 10). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR10-4.111. "State Rank" is numeric rank of relative rarity, protected under general provisions of the Wildlife Code.
- **"Concerns & management recommendations"** are things one might prudently look for at the identified site, but of which we have no specific record. With 93% of Missouri land in private ownership, most sites in Missouri have never been carefully inspected by conservation professionals, but our knowledge of the surrounding landscape suggests that the project consider these items.

With all of the above, we attempt to provide information to help the requestor determine if the species is actually on site, and available best management recommendations.

This report is not a site clearance letter. Rather, this letter provides an indication of whether or not public lands and sensitive resources are known to be (or are likely to be) located close to the proposed project.

Incorporating information from our Heritage Database into project plans is an important step that can help reduce unnecessary impacts to Missouri's sensitive natural resources. However, the Heritage Database is only one reference that should be used to evaluate potential adverse impacts. Other types of information, such as wetland and soils maps and on-site inspections or surveys, should be considered. Reviewing current landscape and habitat information and species biological characteristics would additionally ensure that species of conservation concern are appropriately identified and addressed.

Additional information on rare, endangered and watched species may be found at http://www.mdc.mo.gov/nathis/endangered/

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[2] *Please provide basic information but not great detail. Multi-page renderings are usually not needed, but a brief text description may mean fewer concerns will be raised. For example, if the project is to erect a cellular tower, nearby endangered mussels might not be noted even though they would be for a sewage lagoon.*

[3] *Preferred are (a) township/range/section description (UTM and lat/long take more time here, but will work) and (b) a topographic map with site marked (point or boundary as appropriate). In most cases an 8-1/2X11 photocopy of part of a USGS map is fine (note the quadrangle name); or a page print of an online map (e.g. www.topozone.com) with point marked. Extensive ongoing projects (e.g. oil pipelines) should if possible provide ARCGIS® shape files compatible with UTM15.*

[4] *Heritage records note things that were positively identified at some date and time, marked at a location that may be more or less precise. Animals move quickly but plant communities can move also. To say "there is a record" does not mean the species/habitat is still there. To say that "there is no record" does not mean the project may not encounter something. Because of this, reports include information about records near but not necessarily on the project site.*

State Historic Preservation Office Correspondence

STATE OF MISSOURI
Bob Holden, Governor • Stephen M. Mahfood, Director
DEPARTMENT OF NATURAL RESOURCES
www.dnr.mo.gov

September 7, 2004

John Stower
Burns & McDonnell
9400 Ward Parkway
Kansas City, Missouri 64114

Re: Aquila Peculiar Energy Center (EPA) Cass County, Missouri

Dear Mr. Stower:

Thank you for submitting information on the above referenced project for our review pursuant to Section 106 of the National Historic Preservation Act (P.L. 89-665, as amended) and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which requires identification and evaluation of cultural resources.

We have reviewed the Section 106 Survey Memo entitled *Aquila Peculiar Energy center, Project 37273, Cass County, Missouri* by John T. Penman. Based on this review it is evident that a thorough and adequate cultural resources survey has been conducted of the project area. We concur with the investigator's recommendation that there will be **no historic properties affected** and, therefore, we have no objection to the initiation of project activities. However, a second copy of the Survey Memo should be submitted to this office.

Please be advised that, should project plans change, information documenting the revisions should be submitted to this office for further review. In the event that cultural materials are encountered during project activities, all construction should be halted, and this office notified as soon as possible in order to determine the appropriate course of action.

If you have any questions, please write Judith Deel at State Historic Preservation Office, P.O. Box 176, Jefferson City, Missouri 65102 or call 573/751-7862. Please be sure to include the SHPO Log Number **(027-CS-04)** on all future correspondence or inquiries relating to this project.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Mark A. Miles

Mark A. Miles
Director and Deputy State
Historic Preservation Officer

MAM:jd

c Joe Cothern, EPA
John Penman, Burns & McDonnell

Structure Height Notification Memo

Burns & McDonnell
SINCE 1898

ENVIRONMENTAL STUDIES AND PERMITTING

MEMORANDUM

Date: August 31, 2004

To: Terry Hedrick, Aquila, Inc.

From: Robert Everard, Burns & McDonnell

Regarding: South Harper Peaking Facility - FAA Notification Requirements

Project No.: 37273

A review of public airports within 10 nautical miles (nm) of the City of Peculiar, Missouri was conducted by using the Federal Aviation Administration (FAA) website: http://www.aviationdirectory.com/locairnm.asp. Ten (10) nm is equivalent to about 11.55 miles. The airport search included the following types of aircraft related facilities:

- Airports
- Heliports
- Gliderports
- Seaplane ports
- STOLports
- Ultralight Airparks
- Balloonports

According to the FAA, the only public airports within 10 nm of Peculiar are the Lawrence Smith Memorial Airport (LRY) and Hillside Airport (63K). Both airports are approximately nine (9) nm (10.35 miles) from the City of Peculiar. The Lawrence Smith Memorial Airport is located about three (3) nm (3.45 miles) south of Harrisonville, Missouri at an elevation of 915 feet (ft). It has an asphalt runway that is 4000 feet long by 75 ft wide. The Hillside Airport is approximately four (4) nm (4.6 miles) northeast of Still, Kansas at an elevation of 1,025 feet. It has a gravel/turf runway that is 2,000 long and 56 feet wide.

The South Harper Peaking Facility (Facility) is located in the northeast ¼, northeast ¼ Section 32, approximately 11.75 miles southeast of the Hillside Airport and 8.75 miles northwest of the Lawrence Smith Memorial Airport. Distance was determined from Delorme Street Atlas 8.0. It is our understanding that the tallest structures at the Facility will be the switchyard/substation lightning masts of 85 ft. and the gas turbine exhaust stacks at 70 ft. It is also our understanding that the Facility will be at an elevation of approximately 970 ft above mean sea level (AMSL).

Under Part 77.13, the FAA requires notifications (Form 7460-1) to be submitted for any construction or alteration of (1) more than 200 ft in height above ground level or (2) greater height than an imaginary surface extending outward and upward at the following slope;

MEMORANDUM

(i) 100 to 1 for a horizontal distance of 20,000 ft from the nearest point of the nearest runway of each qualifying airport with at least one runway more than 3,200 ft in length, excluding heliports.

(ii) 50 to 1 for a horizontal distance of 10,000 ft from the nearest point of the nearest runway of each qualifying airport with at least one runway no more than 3,200 ft in length, excluding heliports.

(iii) 25 to 1 for a horizontal distance of 5,000 ft from the nearest point of the nearest landing and takeoff area of each qualifying heliport.

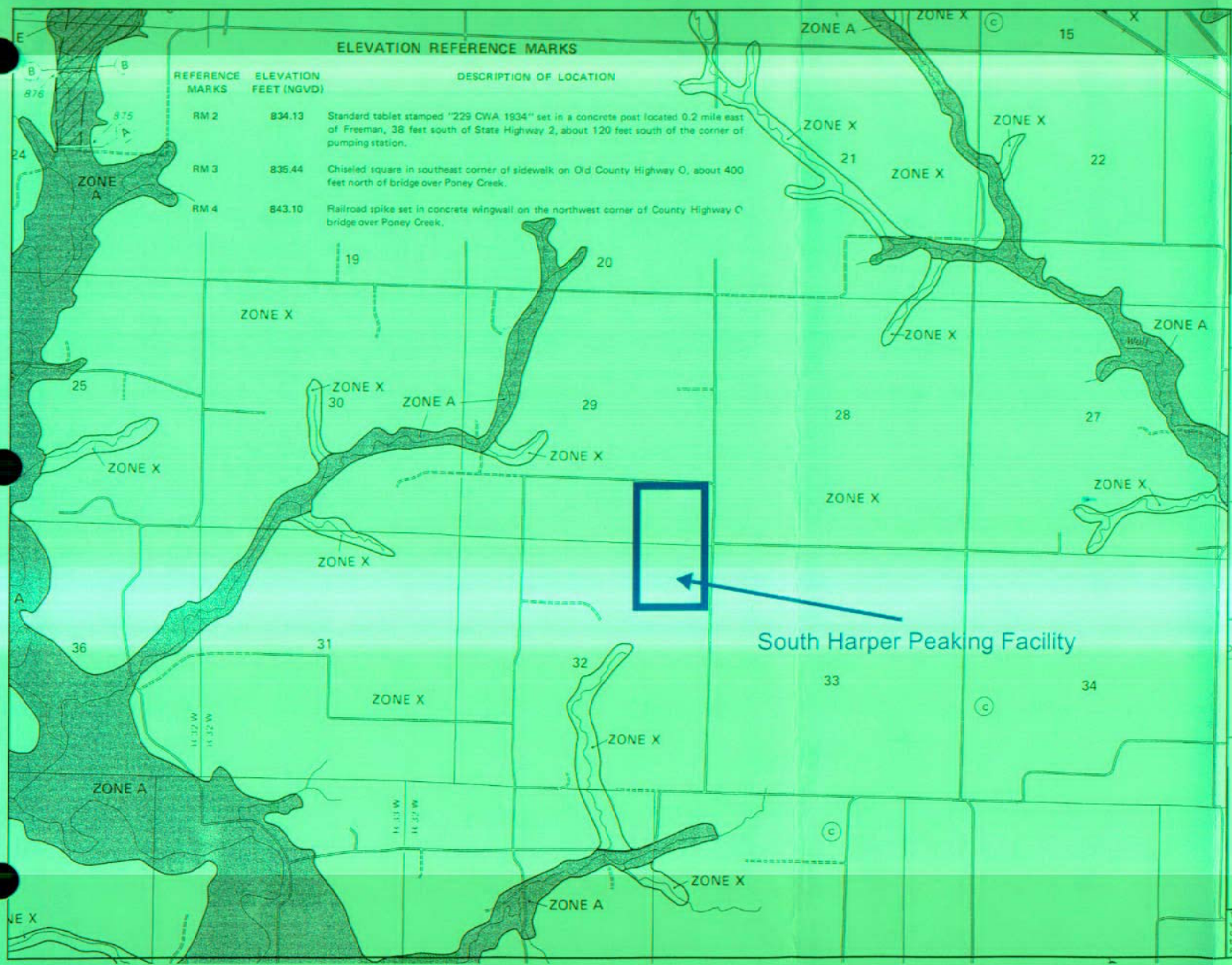
Since the Facility is not anticipating any structures over 200 ft tall (1) and all structures at the Facility do not meet the requirements of item (2), parts (i), (ii), and (iii) when considering elevation, height, and distance, a FAA Notice of Proposed Construction or Alteration should not be required.

Cc: Max Sherman, Aquila
John Stower, Burns & McDonnell

FEMA Flood Insurance Rate Map (FIRM) No. 290783 0100C

ELEVATION REFERENCE MARKS

REFERENCE MARKS	ELEVATION FEET (NGVD)	DESCRIPTION OF LOCATION
RM 2	834.13	Standard tablet stamped "229 CWA 1934" set in a concrete post located 0.2 mile east of Freeman, 38 feet south of State Highway 2, about 120 feet south of the corner of pumping station.
RM 3	835.44	Chiseled square in southeast corner of sidewalk on Old County Highway O, about 400 feet north of bridge over Poney Creek.
RM 4	843.10	Railroad spike set in concrete wingwall on the northwest corner of County Highway O bridge over Poney Creek.



the National Flood Insurance Program at (800) 638-66

APPROXIMATE SCALE IN FEET

2000 0

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

CASS COUNTY, MISSOURI
(UNINCORPORATED AREAS)

PANEL 100 OF 225

COMMUNITY–PANEL NUMBER:
290783 0100 C
MAP REVISED:
MAY 4, 1992

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

County Building/Grading Permits

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25012

for inspections call 380-8134 (K.C.line)

Project Control No: 250109
Application Date: 1/14/2005
Date Permit Issued: 1/19/2005

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Temp Non Residential Service Use Code: 410

Applicant ID:

Applicant Person or Firm: Kissick Construction Company Applicant Code: 2

APPLICANT NAME			ADDRESS	CITY	STATE	ZIP CODE
Pete	B	Brown	8131 Indiana Ave	Kansas City	Mo	64132

Phone: 816-363-5530 Fax: Mobile: 816-560-7424 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED

To install temporary power as per submitted plans and all applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: Plumbing: Mechanical: Electrical Service: -1 Gas Piping: Other:

Type of Building: Industrial Class of Work: Alter Occupancy Group: I-1 Type of Construction:

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25012 Fee Amount $454.00 Permit Status Active Valuation of Work: $15,000.00

Date Fee Paid: 1/19/2005 Fee Code PRMT Control No: 250109

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missoun, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Pete B Brown, hereby certify that I am Builder and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missoun and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE — DATE 19 JAN 05

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL — DATE 1/19/2005

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25013

for inspections call 380-8134 (K.C.line)

Project Control No: 250110
Application Date: 1/14/2005
Date Permit Issued: 1/19/2005

JOB ADDRESS: 24400 | S | Harper | Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Temp Work Enclosure Use Code: 512

Applicant ID:
Applicant Person or Firm: Kissick Construction Co Inc Applicant Code: 2

APPLICANT NAME			ADDRESS	CITY	STATE	ZIP CODE
Pete	B	Brown	8131 Indiana Ave	Kansas City	Mo	64132

Phone: 816-363-5530 Fax: Mobile: 816-560-7424 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To construct a temporary work enclosure as per submitted plans and all applicable building codes and county ordinance

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: Mechanical: Electrical Service: -1 Gas Piping: Other:

Type of Building: Commercial Class of Work: New Occupancy Group: U Type of Construction: VN

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25013 Fee Amount $174.00 Permit Status Active Valuation of Work: $5,000.00

Date Fee Paid: 1/19/2005 Fee Code PRMT Control No: 250110

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Pete B Brown, hereby certify that I am Builder
and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE — DATE 19 Jan 05

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL — DATE 1/19/2005

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT
102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25015

for inspections call 380-8134 (K.C.line)

Project Control No: 250108
Application Date: 1/7/2005
Date Permit Issued: 1/24/2005

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Temp Non Residential Service Use Code: 410

Applicant ID:

Applicant Person or Firm: AZCO Integrated Construction Applicant Code: 02

APPLICANT NAME		ADDRESS	CITY	STATE	ZIP CODE
Chip	Buschke	PO Box 567	Appleton	WI	54912-0567

Phone: 800 545-8452 Fax: Mobile: 920 450-3158 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To set up temporary power at job site as per all applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: Mechanical: Electrical Service: -1 Gas Piping: Other:

Type of Building: Commercial Class of Work: New Occupancy Group: Type of Construction:

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: 0 No of Dwelling Units: 0

Receipt No. 25015 Fee Amount $62.00 Permit Status Active Valuation of Work $5,000.00

Date Fee Paid: 1/24/2005 Fee Code PRMT Control No: 250108

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistant with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Chip Buschke, hereby certify that I am Builder, and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

Chuck Buschke 1-24-05
APPLICANT SIGNATURE DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

Michael Burnworth 1/24/2005
FOR THE CHIEF BUILDING OFFICIAL DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO. 25020
for inspections call 380-8134 (K.C.line)

Project Control No: 241219
Application Date: 12/17/04
Date Permit Issued: 2/1/05

JOB ADDRESS: 24400 | S | Harper | Rd | **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Equipment Building Use Code: 473

Applicant ID:
Applicant Person or Firm: Aquila, Inc. Applicant Code: 02

APPLICANT NAME			ADDRESS	CITY	STATE	ZIP CODE
Doug		Lukenbill	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7547 Fax: Mobile: 816-806-1230 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To install a control enclosure structure at South Harper Substation as per engineered plans and all applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: Mechanical: -1 Electrical Service: -1 Gas Piping: Other:

Type of Building: Industrial Class of Work: New Occupancy Group: U1 Type of Construction: VN

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25020 Fee Amount: $1,112.00 Permit Status: Active Valuation of Work: $129,221.00

Date Fee Paid: 2/ 1/05 Fee Code: PRMT Control No: 241219

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Doug Lukenbill, hereby certify that I am Builder
and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days a any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

Douglas Lukenbill 2/1/05
APPLICANT SIGNATURE DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

Michael Burnworth 2/1/05
FOR THE CHIEF BUILDING OFFICIAL DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO. 25021

for inspections call 380-8134 (K.C.line)

Project Control No: 241220
Application Date: 12/17/04
Date Permit Issued: 2/1/05

JOB ADDRESS: 8901 E 203rd St **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
05/45/32					

Project Name:

Use Of Building: Equipment Building Use Code: 473

Applicant ID:

Applicant Person or Firm: Aquila, Inc. Applicant Code: 02

APPLICANT NAME	ADDRESS	CITY	STATE	ZIP CODE
Doug Lukenbill	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7547 Fax: Mobile: 816-806-1230 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To install a control enclosure structure at Peculiar Substation as per enineered plans and all applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: Mechanical: -1 Electrical Service: -1 Gas Piping: Other:

Type of Building: Industrial Class of Work: New Occupancy Group: U1 Type of Construction: VN

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: 0 No of Dwelling Units: 0

Receipt No. 25021 Fee Amount $1,151.00 Permit Status Active Valuation of Work: $136,655.00

Date Fee Paid: 2/ 1/05 Fee Code PRMT Control No: 241220

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Doug Lukenbill, hereby certify that I am Builder, and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

Doug Lukenbill 2/1/05
APPLICANT SIGNATURE DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

Michele Burnwell 2/1/05
FOR THE CHIEF BUILDING OFFICIAL DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25047

for inspections call 380-8134 (K.C.line)

Project Control No: 241208
Application Date: 12/3/2004
Date Permit Issued: 2/24/2005

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/46/32					

Project Name:

Use Of Building: Power Plant/Service Building F1 Foundation only Use Code: 530

Applicant ID:
Applicant Person or Firm: Aquila, Inc. Applicant Code: 02

APPLICANT NAME		ADDRESS	CITY	STATE	ZIP CODE
Terry	Hedrick	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7854 Fax: (816) 743-3654 Mobile: (816) 590-5469 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To install foundations only for the turbines and service building at the Aquila Peaking power as per submited plans and applicable building codes and county ordinances. As a note other permits are required deferred submittals.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: 0 Plumbing: 0 Mechanical: 0 Electrical Service: 0 Gas Piping: 0 Other:

Type of Building: Industrial Class of Work: New Occupancy Group: F1 Type of Construction:

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25047 Fee Amount $12,280.00 Permit Status Active Valuation of Work: $2,789,900.00

Date Fee Paid: 2/24/2005 Fee Code PRMT Control No: 241208

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Terry Hedrick, hereby certify that I am Builder, and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE 2/24/2005 DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL 2/24/2005 DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT
102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO. 25072
for inspections call 380-8134 (K.C.line)

Project Control No: 250206
Application Date: 2/ 7/05
Date Permit Issued: 3/21/05

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T/ R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Power Plant/Service building, F-1 Use Code: 530

Applicant ID:
Applicant Person or Firm: Aquila, Inc. Applicant Code: 02

APPLICANT NAME	ADDRESS	CITY	STATE	ZIP CODE
Terry Hedrick	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7854 Fax: Mobile: 816-590-5489 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To Install the turbines and service building at the Aquila Peeking power as per submited plans and applicable building codes and county ordinances. As a note other permits are required deferred submittals.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: -1 Mechanical: -1 Electrical Service: -1 Gas Piping: -1 Other:

Type of Building: Industrial Class of Work: New Occupancy Group: F-1 Type of Construction: II-B

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25072 Fee Amount: $22,200.00 Permit Status: Active Valuation of Work: $5,381,000.00

Date Fee Paid: 3/21/05 Fee Code: PRMT Control No: 250206

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Terry Hedrick, hereby certify that I am Builder ,and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE — DATE 3/21/2005

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL — DATE 3/21/05

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25196

for inspections call 380-8134 (K.C.line)

Project Control No: 250537
Application Date: 5/19/2005
Date Permit issued 7/6/2005

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: For an H occupancy Use Code

Applicant ID.

Applicant Person or Firm: Aquila, Inc. Applicant Code 02

APPLICANT NAME	ADDRESS	CITY	STATE	ZIP
Tom Miller	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7854 Fax: Mobile: 816-223-8732 Alternate Phone

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To install a foundation only for an h occupancy building as per submited plans and all applicable building codes and county ordinances

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: 0 Plumbing: 0 Mechanical: 0 Electrical Service: 0 Gas Piping: 0 Other:

Type of Building: Industrial Class of Work: New Occupancy Group: H Type of Construction:

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25196 Fee Amount $473.00 Permit Status Active Valuation of Work $32,950.00

Date Fee Paid: 7/6/2005 Fee Code PRMT Control No: 250537

SPECIAL CONDITIONS

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Tom Miller, hereby certify that I am Builder

and affirm the above statements as true and correct.

NOTICE: This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to ate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE 7/6/2005 DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL 7/6/2005 DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT
102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25267
for inspections call 380-8134 (K.C.line)

Project Control No: 250639
Application Date: 7/6/2005
Date Permit Issued: 9/6/2005

JOB ADDRESS: 24400 S Harper Rd **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: H occupancy Use Code:

Applicant ID:
Applicant Person or Firm Aquila, Inc. Applicant Code: 02

APPLICANT NAME	ADDRESS	CITY	STATE	ZIP CODE
Tom Miller	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7854 Fax: Mobile: 816-223-8732 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:

To install Flamable material storage building size: 22' x 25' w/12' sidewalls at the Aquila Peeking power as per submited plans and applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT

Electrical: -1 Plumbing: 0 Mechanical: -1 Electrical Service: -1 Gas Piping: 0 Other:

Type of Building: Storage Class of Work New Occupancy Group: H-2 Type of Construction: II B

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 600 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25267 Fee Amount $822.00 Permit Status Active Valuation of Work: $53,709.00
Date Fee Paid: 9/6/2005 Fee Code PRMT Control No: 250639

SPECIAL CONDITIONS:

This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Tom Miller ,hereby certify that I am Builder
,and affirm the above statements as true and correct.

NOTICE:This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-8360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

9/6/2005
APPLICANT SIGNATURE DATE

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

9/6/2005
FOR THE CHIEF BUILDING OFFICIAL DATE

COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT
102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8134 Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25339
for inspections call 380-8134 (K.C.line)

Project Control No: 251034
Application Date: 10/26/2005
Date Permit Issued: 10/31/2005

JOB ADDRESS: 24400 | S | Harper | Rd | **Post Office:** Peculiar

S / T / R	QTR-QTR SEC	PARCEL NO	LOT	BLOCK	SUB DIVISION
32/45/32					

Project Name:

Use Of Building: Foundation Use Code: 730

Applicant ID:
Applicant Person or Firm: Aquila, Inc. Applicant Code: 02

APPLICANT NAME		ADDRESS	CITY	STATE	ZIP CODE
Tom	Miller	10700 East 350 Highway	Kansas City	MO	64138

Phone: 816-737-7654 Fax: Mobile: 816-223-8732 Alternate Phone:

OWNER	ADDRESS	CITY	STATE	ZIP	PHONE

DESCRIPTION OF WORK TO BE PERFORMED:
To install footings and foundation for sound proofing walls as per submitted plans and all applicable building codes and county ordinances.

WORK INCLUDED IN SCOPE OF WORK COVERED BY PERMIT
Electrical: -1 Plumbing: 0 Mechanical: 0 Electrical Service: 0 Gas Piping: 0 Other:

Type of Building: Commercial Class of Work: New Occupancy Group: Type of Construction: VN

Zoning District: Zoning File No: Flood Plain Map Panel: Flood Plain Development Permit:

Gross Building Area: 0 Stories or Bldg Height: No of Dwelling Units:

Receipt No. 25339 Fee Amount $1,414.00 Permit Status Active Valuation of Work: $174,469.00
Date Fee Paid: 10/31/2005 Fee Code PRMT Control No: 251034

SPECIAL CONDITIONS:
This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, wave its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. However, in light of this Court's judgement and the suspension of that judgment pending appeal in the case styled Cass County, Missouri, Plaintiff v. Aquila, Inc., Defendant, Case No. CV104-1443CC, this building permit is being issued despite the absence of proper zoning.

I, Tom Miller ,hereby certify that I am Builder
,and affirm the above statements as true and correct.

NOTICE:This permit becomes null and void if work or construction is not commenced within 180 days or if work is suspended or abandonded for a period of 180 days at any time after work is commenced. All work or construction allowed by this permit shall be completed within two (2) years or this permit shall be expired by limitation and a new permit for any additional work shall be obtained prior to work or construction being resumed.

The Applicant hereby agrees to abide by and comply with the provisions of all Building Codes, Health Laws, and the Zoning Order of Cass County, Missouri and any other law or ordinance governing this type of work whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction. Contact Cass County Road and Bridge at 830-6360 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134

APPLICANT SIGNATURE — DATE 10/31/2005

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

FOR THE CHIEF BUILDING OFFICIAL — DATE 10/31/2005

Cass County Commission

GARY L. MALLORY
Presiding Commissioner
Email commission@casscounty.com

JIM MEARA
Associate Commissioner Dist. 2
Email commissioner@casscounty.com

Jan Cantrell, Administrative Assistant
102 E. Wall, Harrisonville, Mo 64701
Phone (816) 380-8155 Fax (816) 380-8156

JON H. SEABAUGH
Associate Commissioner Dist. 1
Email commissioner@casscounty.com

October 4, 2004

Sega Inc.
Attn: Mike Blake
16041 Foster
PO Box 1000
Stilwell, KS 66085

Dear Mr. Blake,

Please accept this correspondence as official confirmation that Cass County does not require a grading permit for the Aquila South Harper Peaking Facility.

I sincerely appreciate receiving the information you sent regarding the site.

If you require anything further, please do not hesitate to give me a call.

Sincerely,

Gary L. Mallory
Presiding Commissioner

Road & Bridge Driveway Permit

Sega®

FAX TRANSMITTAL FORM

Date: December 1, 2004

Total number of pages, including this cover sheet: 2

This fax is being sent to:

☑

Name:	Robert Leeper	Fax No.:	816-380-8365
Company:	Cass County, MO Road and Bridge	City/State:	Cass County, MO

☑

Name:	Terry Hedrick	Fax No.:	816-743-3854
Company:	Aquila, Inc.	City/State:	Kansas City, MO

From: Michael Blake Sega Project No.: 04-0112-02

Re: Aquila, Inc. – South Harper Peaking Facility

SUBJECT: Road and Bridge Driveway Permit

Comments:

Robert,

Attached is entrance permit signed by Terry Hedrick with Aquila.

For Aquila's records, could you please provide a formal letter stating the entrance permit has been issued?

You can address the letter to Michael Blake (Fax: 913-681-8475)

I appreciate your help, and if you should have any questions, please do not hesitate to give me a call.

Sincerely,

c: Kathy Maring

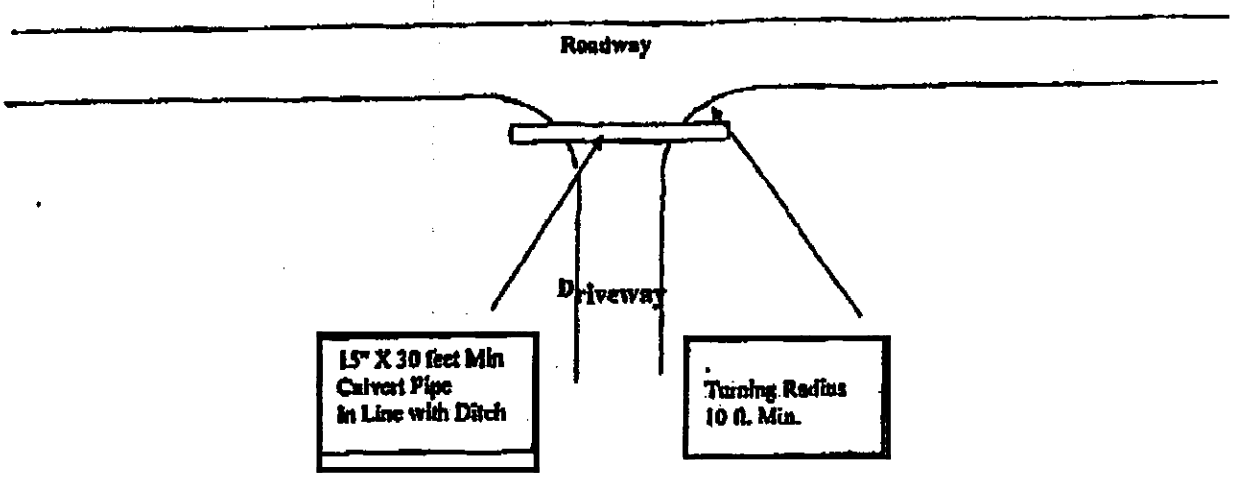
IF YOU DO NOT RECEIVE A CLEAR OR COMPLETE COPY OF THESE PAGES, PLEASE CALL OUR OFFICE AT: (913) 681-2881.

OUR FAX NUMBER IS: (913) 681-8475

Sega Inc.
P. O. BOX 1000

16041 FOSTER
STILWELL, KANSAS 66085-1000
www.segainc.com

PHONE 913-681-2881
FAX 913-681-8475



ROAD & BRIDGE DRIVEWAY PERMIT

Name Aquila Inc. South Harper Peaking Facility

Address 24400 South Harper Road

City Cass County, MO 64078-9086

Phone 816/737-7854

Date requested

Owner Signature Terry S Hedrick

Safety Issues/ Site Distance OK

Approval Robert Lerpen Supt. cass co.

Date Installed

Permit Fee $25.00

File in R & B

Water Supply Agreement

PUBLIC WATER SUPPLY DISTRICT #7 OF CASS COUNTY

NEW SERVICE APPLICATION & WATER USERS AGREEMENT

DATE: 10/19/04

Billing Name Aquila - S. Harper Plant Co-Owner None

Service Address 24400 S. Harper City Peculiar

State MO Zip 67801 Telephone (816) 537-6895

Owner Birthdate N/A Co-Owner Birthdate N/A

Mailing Address 14015 S. Smart Rd, Greenwood, MO 64034

Aquila TIN# ~~Social Security #~~ 11153784 ≡ ~~Co-Owner Soc. Sec. #~~ None

Billing Name Employer Aquila c/o Acct. Payable Phone # 816-537-6895

Attn: Tom Miller

Address PO Box 13447 City Kansas City State MO Zip 64199

Co-Owner Employer None Phone # N/A

Address N/A City State Zip

For Emergehcies

Nearest Relative Greenwood Energy Center Phone # 816-537-6895

Address 14015 S. Smart Rd City Greenwood State MO Zip 64034

OFFICE USE ONLY

Account # Page # Contract #

Deposit - Ck # Taxable: Y N Renter / Owner

Meter # Reading Date Reading

Meter Type: A B Sub-District

Meter Location

Meter Reading Sequence #

New Service Contract/Rev. 070102/jlb
Rev. 12112002/jlb

AGREEMENT

In consideration of Applicant's promise to abide by all the rules and regulations of Public Water Supply District #7 of Cass County Missouri (hereinafter "District") and to pay all water bills as they become due, District agrees to supply water to Applicant for Applicant's reasonable and lawful use, subject to the terms and conditions of this agreement. To become a water user of the District, I hereby tender a sum of $2,200.00. The District shall charge a fee of $2,200.00 plus and additional cost of connection. "Standard" means a short side up to 20 feet from main, a long side up to 90 feet from main, clean-up (if applicable), up to 2 hours District labor, MO #1 notification, up to 15 ton gravel for long side set, contractor labor and machine time, and District materials based upon above limits. Upon cancellation prior to service installation, by the user, costs incurred by the District will be deducted from the total sum tendered, prior to refund.

1. Prior to initiation of any service to Applicant by District, Applicant shall deposit with District the sum of amount as prescribed in Policy #5005R1. To insure payment for water supplied to Applicant. Said deposit shall not bear interest, and shall be held until Applicant requests that water service be discontinued. The deposit shall be applied to payment of Applicant's final bill. Any funds not so used to be returned to Applicant. In the event the final bill exceeds the deposit amount, Applicant will be required to pay the District the additional amount subject to the penalty provisions of paragraph 4 of this agreement.

   Upon activation of a new meter connection, a minimum of 12 (twelve) consecutive minimums at current rate must be made prior to honoring any request for disconnection for any reasons, other than non-payment. If less than 12 (twelve) months minimums have been met, there shall be a trip charge at current rate added to the account to read and lock the meter.

2. Pay a minimum monthly meter charge for the water service connection from time service is made available by the District, and pay for additional water used at the rate set out in the rate schedule, adopted by the Board of Directors. Any changes made in the minimum monthly water charge and rate schedule by the Board of Directors of the District shall become a part of this agreement, as though fully set out herein.

3. The District shall read the water meters. Service bill for water used shall be rendered by the 15th of the month, following the month in which the water is used, and the undersigned agrees to pay said service bill on or before the first (1st) day of each month, or be subject to a late charge of 10%. Failure of the District to submit a service bill shall not excuse the undersigned from his/her obligation to pay for the water used when the bill is submitted, nor shall it be an excuse not to pay the late charge, or to be disconnected for non-payment. Failure to pay a bill prior to the last Tuesday of each month shall result in discontinuance of the service. If an account is disconnected due to non-payment, a $25.00 fee for each trip to the residence will be added to the past due bill and the entire amount must be paid prior to service restoration. Failure to make payment prior to 10 AM on the last Tuesday of each month shall result in a $25.00 fee for late payment.

4. The water service supplied by the District shall be for the sole use of the undersigned. The undersigned agrees that he/she will not extend or permit the extension of pipes for the purpose of transferring water from one property to another, nor will he/she share, resale or sub-meter water to any other customer. Each meter service shall supply water to only one residence or business establishment located on land within the District. If after water service is made available the same is discontinued or disconnected for any purpose, pursuant to the bylaws and rules and regulations of the District, reconnection shall be upon the conditions set out by the bylaws and policies of the District.

5. The undersigned agrees there will be no physical connection between any private water system and the District.

6. Representatives of the District may at any reasonable time come on the premises where the water is being used, for the purpose of making inspection to enforce this provision. Violation of the provision shall be grounds for disconnection of service.

7. The Laws of the State of Missouri, the Bylaws of the District, Rules and Regulations and Policies set by the Board of Directors of the District as presently existing and as may be amended from time to time, are made a part of this agreement as though fully set out herein.

8. The District reserves the right, at any time, to discontinue service to protect itself against violations of its rules, or the laws of the State of Missouri, as well as against fraud or the illegal or unsafe use of water or any appliances and appurtenances used therewith.

9. Applicant understands that the District is not responsible, in law or in equity, for the construction maintenance or repair of any pipeline, or any other fixture, appurtenance or appliance located on the applicant's property. The District's responsibility shall extend only from its water supply system to the water meter, which shall be located as close as possible to the property line of the Applicant.

10. The District shall not be responsible for damages, compensatory, punitive or otherwise for loss of service to Applicant or damage to Applicant's property real or personal, as a result of any drought, injury to the water supply system. Failure of any supplier to supply water to the District, act of God, contamination of the water system or another such foreseeable breakdown in the District's supply system. Applicant further authorizes the repair, maintenance or cleaning of the water supply system.

11. The undersigned agrees to grant an easement, when requested to do so, for water line along public roads adjacent to the user's property.

12. This agreement shall not be effective until accepted by the District.

13. The location or description of the property to be serviced by this water service connection is set forth either the legal description of the property and/or the address and location thereof as assigned by the assessors office located in Cass County as recorded at the Cass County Court House.

14. The applicant shall be responsible for any damage to the Districts meter wells, lids, valves, valve risers, valve lid covers, posts and clean-outs. Should any damage occur, charges will be debited to the applicant's account.

15. As of January 1, 1989, all materials used in the construction, expansion, modification or improvements of a public water system or customer water system, shall be lead free.

16. This section shall not apply to leaded joints necessary for the repair of cast iron pipes. Any applicant's water system constructed, expanded, modified or repaired after January 1, 1989, that is connected to a public water system and later found to contain materials that are not lead free, shall have the water meter removed or otherwise have the service line severed from the public water supply system when supplier or water is so ordered by the appropriate local governmental authority or by the District.

17. Applicant's account is not assignable or transferable. This agreement shall be binding upon the heirs, successors, executors, administrators and assigns of applicant and District.

I, the below signed Applicant, do swear, under penalty of perjury, that the answers to all questions on this application are true and complete to the best of my knowledge and that I understand and agree to all terms listed above.

Terry S. Hedrick 10-21-04
Signature of Applicant Date

N/A
Signature of Co-Owner Date

Terry S. Hedrick
Printed Name

N/A
Printed Name

State of Missouri}
County of Cass}

On this 21st day of October, in the year of 2004, before me, the undersigned a Notary Public in and for said state, personally appeared the above signed, known to be the person who executed the within contract and acknowledged to me that he/she executed the same for the purposes therein stated.

Alexa Nunnery
Notary Public

Alexa Nunnery
Printed Name

ALEXA NUNNERY NOTARY SEAL MY COMM. EXPIRES MAY 4, 2008 NOTARY PUBLIC STATE OF MISSOURI

New Service Contract/Rev. 070102/jb
Rev. 12112002/jbRev. 01/01/2004bs

PUBLIC WATER SUPPLY DISTRICT #7 OF CASS COUNTY, MO

106 E. MAIN ♦ P.O. BOX 345 ♦ FREEMAN, MO. 64746
Phone 816-250-2300 ♦ Fax 816-250-2900

FYI

November 2, 2004

COPY

Aquila Networks
Mr. Terry Hedrick, Project Manager
Aquila S. Harper Peaking Facility
10700 E. 350 Highway
P.O. Box 11739
Kansas City, MO 64138
(816) 737-7854
Fax (816) 743-3854

Dear Mr. Hedrick,

We are pleased to have the opportunity to provide water from our Water District #7 system to your proposed project at 24400 S. Harper Road in Peculiar, Missouri. We support the added water sales revenue value, which aids in controlling the escalating cost of water for all of our customers.

Currently we have studied the need for system upgrades to meet your water usage. Aquila's commitment to the 6" loop option to provide Aquila backup water also provides benefit to other customers through enhanced system stability and added additional fire hydrants to the area. Costs for these improvement upgrades would be borne by Aquila.

We support the opportunity Aquila brings to enhance and improve Water District #7's system, residential fire protection and increase water sales revenue; which we see would provide improvements for all of our customers, as well as provide backup contingency for Aquila.

We are pleased that Aquila has selected a development site in Water District #7 and will meet your water usage needs to the best of our capabilities. If you should have any questions, please do not hesitate to contact Water District #7.

Sincerely,

Benny Odom, Board Chairman

Signature Benny C. Odom Date 11-08-04

jlb

Quality On Tap!
Our Commitment Our Profession

CASS 7 PWSD - UTILITY MAP : 5-YEAR PLAN