

PART 2.0
CONSTRUCTION ACTIVITIES
AND SITE DESCRIPTION

2.0 CONSTRUCTION ACTIVITIES AND SITE DESCRIPTION

2.1 DESCRIPTION OF CONSTRUCTION ACTIVITIES

Soil disturbing activities within the construction area will include the removal of topsoil, rough grading, installation of erosion control and stormwater sewer structures, fine grading, installation of perimeter security fence, and landscaping. During rough grading, drilled piers and slab foundations for the substation and combustion turbine generation (CTG) sets will be excavated and placed. After installation of all foundations, rock surfaces or seed will be installed. Once the crushed rock surface or landscaping/seeding has been established as finish grade or surface, the site work contractor will remove erosion control structures and demobilize. The demobilization of the site contractor will be followed by the mobilization of the installation contractor who will install the CTG sets, the switchyard structures, and the associated support equipment.

Located in the South Grand River watershed, the total land area to be disturbed during the construction process is approximately 38 acres of a 73-acre site. Construction should begin in October 2004 and be completed in June 2005.

2.2 POTENTIAL POLLUTANTS

The primary pollutant sources will be disturbed soils and subsequent surface water runoff within the construction site. Other potential pollutant sources include petroleum products needed for the construction equipment.

2.3 SOILS

The Soil Survey of Cass County, Missouri (United States Department of Agriculture, May 1985) was reviewed in an effort to understand the regional geological setting of the proposed project site. According to the soil survey, about fifty percent of the site to be impacted is Macksburg silt loam, 2 to 5 percent slopes. The southern portion of the site is dominated by Oska Silty Clay loam, 5 to 9 percent slopes. A small portion of the site along the southwest corner is Polo silt loam, 2 to 5 percent slopes.

Macksburg silt loam (2 to 5 percent slopes) is a deep, gently sloping, somewhat poorly drained soil along broad ridgetops. Individual areas are usually expansive ranging from 10 to 100 acres. Permeability is moderately slow and surface runoff is slow. Organic matter content is moderate, and natural fertility high. Most areas are used for cultivated crops, pasture, and hay. When cultivated, the erosion hazard is moderate. When buildings are constructed on this soil, foundations and footings should be designed and reinforced to prevent structural damage caused by shrinking and swelling of the soil.

Oska Silty Clay loam (5 to 9 percent slopes) is a moderately deep, moderately sloping, well drained soil on convex side slopes. Areas of this unit exist in bands from 5 to 60 acres immediately above outcropping ledges of limestone. Oska soil has slow permeability with medium surface runoff. Natural fertility is medium, and organic matter content is moderate. Most areas are used as fescue pasture along with a small percentage of wooded acreage. The hazard of erosion and moderate available moisture can be a major problem. This soil is suitable for building sites, but the high shrink-swell potential and shallow bedrock may provide limitations.

Polo silt loam (2 to 5 percent slopes) is a deep, gently sloping, well drained soil on convex ridgetops and upper side slopes. Areas of this unit are irregular in shape and range from 5 to 160 acres. Permeability is moderate and surface runoff is medium. Polo soil has high fertility and moderate organic matter content. This soil is well suited to grasses and legumes for pasture or hay. If cultivated, erosion can be a hazard. Its moderate permeability, slope, seepage, and shrink-swell potential may provide moderate limitations for building sites. If buildings are constructed on this soil, foundations and footings should be designed and reinforced to prevent structural damage.

2.4 WETLANDS

The 1994 USFWS National Wetland Inventory (NWI) map, Peculiar Quadrangle, was examined for a preliminary estimate of potential waters of the United States, including wetlands, occurring

at the project site. The proposed site was superimposed onto the NWI map for easy reference. The NWI map indicates no wetland areas will be impacted by the project.

2.5 ESTIMATE OF RUNOFF COEFFICIENT

The runoff coefficient "C" is the ratio of the volume of storm water runoff from the site compared to the total volume of precipitation that falls on the site. The General Permit requires an estimate of this ratio that represents runoff conditions both before construction and after construction activities are complete and the area is finally stabilized.

The estimate of "C" is based on variables from three general terrain categories: 1) soil properties (porosity, density, etc.), 2) ground slope, and 3) the character of the vegetative cover (woodlands, pasture, grassland, etc.). Another major variable affecting "C" is rainfall intensity and duration. For any given terrain, the ratio of runoff to rainfall is expected to increase as storm intensity or duration increase.

The site is currently owned by Mr. George Bremer and is used for agricultural purposes. According to Mr. Darrell Wilson of the Cass County Planning and Zoning Department, the site is zoned as agricultural. The site is currently covered with grass. Based on site evaluations and available soils data, the "C" value of the construction area before construction would average approximately 0.25. Because about 40 percent of the site will be covered by gravel after construction, the "C" value for the site will increase to approximately 0.43.

2.6 SITE MAP

The 7.5-minute USGS quadrangle map is located in Chapter 1.0 (Figure 1-1). The scale is 1:24,000 or 1"=2,000'. The proposed facility is marked on the map. The erosion control, grading, and drainage plan is located in Appendix A.

2.7 SEQUENCE OF MAJOR ACTIVITIES

The following list is in chronological order of the planned sequence of activities and implementation of temporary and permanent erosion and sediment controls for the construction of the project:

1. Construct silt fence at designated locations around construction site.
2. Install straw bales as shown on erosion control, grading, and drainage plan (Appendix A).
3. Begin clearing and grading of site.
4. Modify bale locations for newly graded swales.
5. Complete grading and installation of permanent cover, seeding, or plantings.
6. Remove accumulated sediment from silt fences and straw bales.
7. After completion of all construction activities and site is stabilized, remove silt fences and straw bales and reseed any areas disturbed by their presence or removal.

2.8 RECEIVING WATERS

According to the USGS Peculiar, Missouri quadrangle topographic map, the site lies at approximately 950 to 1,000 feet above mean sea level. The topography of the area is gently sloping to the south. Drainage swales and storm sewer pipes will divert storm water drainage to the south end of the site. Storm water exiting the site will discharge to the south into an intermittent stream. The intermittent stream flows southwest to Lake Annette which eventually empties into the South Grand River.

PART 3.0
BEST MANAGEMENT PRACTICES

3.0 BEST MANAGEMENT PRACTICES

3.1 Erosion and Sediment Control Devices

Soil erosion and sediment controls are measures that are used to reduce the amount of soil particles that are carried off a land area and deposited in the receiving water. This section provides a general description of the most appropriate control measures planned for this project. The owner/operator or selected contractor will be responsible for amending the erosion and sediment control devices in this SWPPP. In addition, they will adjust the locations and types of best management practices so that erosion and sedimentation are controlled to the best extent practicable.

All applicable soil erosion and sediment control measures shall be implemented in accordance with the guidelines contained herein prior to commencement of field construction activities at each location. Implementation of these measures shall meet the standards and specifications of Cass County, Missouri. Measures shall be maintained during and after the construction activity until final stabilization of soil is accomplished. Upon successful revegetation of the disturbed area, all temporary soil erosion and sediment control measures will be removed.

3.1.1 Temporary Soil Stabilization

Topsoil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulched within 14 days from the last construction activity. The temporary seed shall be rye (grain) applied at the rate of 120 pounds per acre. Prior to seeding, 2,000 pounds of ground agricultural limestone and 1000 pounds of 10-10-10 fertilizer shall be applied per acre. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch will be tacked into place by a disk with blades set nearly straight.

3.1.2 Permanent Soil Stabilization

Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. Agricultural limestone, fertilizer, and straw mulch will be applied as discussed above.

3.1.3 Temporary Erosion and Sediment Control Practices

Prior to initiating construction in an area, all temporary erosion and sediment control practices will be in place. This section discusses all temporary erosion and sediment control practices that are recommended for the construction practices. These practices are only temporary and will be removed after the protected area has been permanently stabilized. The locations for the erosion and sediment controls are shown on the Erosion Control, Grading, and Drainage Plan (Drawing No. C350) in Appendix A. The details for these devices are located on the drawing in Appendix A and APWA drawings in Appendix B.

3.1.3.1 Construction Access

The site will have graded roads and access drives to parking areas of sufficient width and length to prevent sediment from being tracked onto public roadways. Construction access to the site will be obtained from South Harper Road as shown on the drawing in Appendix A. This gravel road runs north and south along the east side of the site.

Construction entrances will be rocked prior to any other site work and maintained throughout the construction period. Where sediment is transported onto a public road surface or other paved areas by equipment or vehicles exiting the construction site, sediment shall be removed immediately from the road by shoveling or sweeping. Bulk clearing of accumulated sediment shall be transported to a sediment controlled disposal area or the point of likely origin before the end of each work day. Road washing shall be allowed only after the sediment is removed in the above manner.

3.1.3.2 Sediment Fence

Sediment fences will be used to intercept and retain small amounts of sediment carried by sheet flow from the disturbed areas during construction activities in order to prevent sediment runoff from the project site. The devices shall be placed down slope of disturbed areas where erosion would occur in the form of sheet or rill erosion. Sediment fence shall be cleaned and repaired when sediment buildup reaches one-third of sediment fence height.

With the exception of the north end, sediment fence will be placed along the perimeter of the site as shown on the drawing in Appendix A. Sediment fence will be placed appropriately around stockpiles within 30 working days or 120 calendar days after formation of stockpile. The contractor may need sediment fence in other locations of the project as work progresses to keep sediment from leaving the construction corridor and depositing within the roadway or entering the stream. It will be at the contractor's discretion to make this determination in the field. The SWPPP must be modified accordingly.

3.1.3.3 Straw Bale Check Dams

As shown on drawing in Appendix A, check dams will be placed in the drainage swales where construction is occurring to limit the amount of sediment that travels downstream. These check dams will consist of straw bales. If straw bales are ineffective due to high flow volumes and velocities, other products such as rock, Triangular Silt Dike™ or Georidge® may be substituted. Straw bales will also be used as inlet protection for storm sewer pipes. These devices must be maintained and the sediment removed behind the device on a regular basis to remain effective.

3.1.4 Permanent Erosion and Sediment Control Practices

Permanent erosion and sediment control practices are those that will be left in place after construction is finished and the site is permanently stabilized. The following practices will be installed as permanent controls or controls that do not need to be removed after construction is terminated and the site is fully stabilized with vegetation. These practices are

located on the Erosion Control, Grading, and Drainage Plan (Drawing No. C350) in Appendix A.

3.1.4.1 Drainage Swales

Drainage swales will collect and divert storm water runoff off-site. They will be constructed along the north, west, and a portion of the east perimeter of the fenced or maintained area as shown on the drawing in Appendix A. Storm water from the northern and western sections of the site will discharge through overland flow to the swales constructed along the north and west sides of the site. The southeast section of the site will discharge storm water to the swale along the east side of the site. Both swales eventually drain to the south.

3.1.4.2 Storm Sewer Pipes

Storm sewer pipe will be installed as required under roads and parking lots to maintain flow paths to drainage collection points. Where pipes discharge to drainage swales outside the fenced area, they will be equipped with riprap aprons at the outlets to prevent downstream scour and erosion. Pipe inlets will be temporarily protected by straw bails as shown on the drawings in Appendix A.

3.1.4.3 Riprap

As mentioned above, riprap will be placed at the outlet of storm sewer pipes where they discharge storm water runoff from the area to be permanently maintained or fenced. One outlet exits to the north near the northeast corner of the site. The other outlet is along the east side of the site. Both outlets and riprap are shown on drawing in Appendix A.

3.2 Maintenance and Inspection

All erosion and sediment control devices shall be installed pursuant to the specifications and the construction details on Drawing No. C350 in Appendix A and Appendix B. They shall be maintained so that they remain effective at all times. Sediment will be removed from behind sediment controls when it reaches one-third the height of the control.

These erosion and sediment control devices shall be checked: 1) once every 14 days; and 2) within 24 hours of each 0.5-inch or greater rainfall event. During each inspection, the construction inspector shall complete the inspection forms found in Appendix C. These sheets should be copied and used as necessary. Ineffective temporary erosion control measures shall be repaired or replaced within 24 hours of identification. The construction inspector shall immediately install additional temporary erosion control devices in any area deemed in need of protection.

If inspection results indicate a need for revision to the SWPPP, the plan shall be revised and implemented, as appropriate, within seven calendar days following the inspection. All modifications should be noted on the Record of Revisions sheet found in Appendix C. The inspection reports shall identify any incidents of non-compliance with the permit.

The temporary erosion control devices shall be removed upon project completion. The owner/operator is responsible for site stabilization (with perennial vegetative species) within 30 days of project completion. Following the completion of construction and planting activities, the construction inspector shall conduct periodic site reviews to ensure that vegetation establishment is satisfactory. If vegetative cover is not adequate, special steps to correct problems shall be implemented such as overseeding, mulching, sodding, or the use of erosion control blankets.

3.3 Final Grading and Clean Up

After completion of final grading, the disturbed areas will be revegetated. All temporary soil erosion and sediment control measures shall be disposed of within 30 days after final site stabilization is achieved. Trapped sediment and other disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation. All disturbed areas to be revegetated shall be prepared and seeded in accordance with the following specifications.

3.3.1 Seeding

When unfavorable conditions preclude permanent seeding, a temporary ground cover of quick-germinating grasses shall be established. The seed mix shall meet the standards and specifications of Cass County, Missouri. A permanent grass seed mix may consist of the following:

**Table 3-1
Seed Mix**

Scientific Name	Common Name	Application lbs/acre	Planting Dates
<i>Festuca arundinacea</i> Kentucky-31	Kentucky 31 Fescue	150	Mar 1 to April 30
<i>Melilotus officinalis</i>	Yellow sweetclover	15	August 15 to Sept 30
<i>Elymus lanceolatus</i> ssp. <i>psammophilus</i> 'Sodar'	Streambank Wheatgrass Sodar variety	10	Mar 1 to April 30 August 15 to Sept 30
<i>Lolium multiflorum</i>	Annual Rye	5/20*	Jan 1 to May 31 July 15 to Sept 30
<i>Triticum aestivum</i>	Winter wheat	20/100*	Aug 15 to Nov 15

*Cover crop options for temporary cover

3.3.2 Fertilizing

Fertilizer may be applied to the disturbed area prior to seeding. The fertilizer type should be slow release nitrogen, phosphorus, and potassium at a rate and ratio of 2,000 pounds of ground agricultural limestone and 1000 pounds of 10-10-10 fertilizer applied to each acre to be stabilized. Fertilizer should not be applied within 25 feet of a streambed or bank.

3.3.3 Mulching

Organic mulch shall be applied after seeding to all areas disturbed by the construction activities to hold seed in place, retain soil moisture, and moderate temperatures. After seeding, each area shall be mulched with 4,000 pounds per acre of straw. The straw mulch is to be tacked into place by a disk with blades set nearly straight.

3.4 Product Specific Practices

This section will cover some of the control measures and practices used for specific materials that are associated with the construction activity and the project. These products could include fuels or petroleum products, or fertilizers.

3.4.1 Petroleum Products

All on-site vehicles will be monitored for petroleum leaks and receive proper preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. All spills will be cleaned up immediately after discovery. Waste oil and other petroleum products shall not be discharged onto the ground or into water bodies. Petroleum products used on-site will be applied according to the manufacturer recommendations (see Part 5).

3.4.2 Fertilizers

Fertilizers used will be applied only in the recommended amounts. Once applied, the fertilizer will be worked into the soil to limit exposure to storm water. Fertilizer spills will be cleaned up immediately. Fertilizers will not be applied along or in a waterway.

PART 4.0
OTHER POLLUTION PREVENTION CONTROLS

4.0 GOOD HOUSEKEEPING

4.1 WASTE DISPOSAL

All waste material will be collected and stored in a secure container or removed from the project site. The waste container will be inspected regularly. Contents of the waste containers will be disposed of properly by the owner. No waste oil or other petroleum-based products will be disposed of on-site (e.g. buried, poured, etc.); but shall be taken off-site for proper disposal.

4.2 HAZARDOUS WASTE

Any hazardous waste material will be disposed of in the manner specified by local and state regulations and by the manufacturer. Site personnel will be instructed to be aware of this requirement (see Part 5).

4.3 SANITARY WASTE

All sanitary waste will be collected from portable units as required and properly disposed of off-site.

4.4 OFF-SITE VEHICLE TRACKING

Public roads that provide access to the site will be monitored for any tracking of sediments (mud, etc.) from the site onto the road as follows:

- 1) Weekly during dry periods, and
- 2) Daily after rainfall events that leave the site wet while construction activity is proceeding.

Sediment will be removed from roadways as noted in Section 3.1.3.1.

4.5 NON-STORM WATER DISCHARGES

Non-storm water discharges are not expected to occur with this project except trench dewatering.

PART 5.0
SPILL PREVENTION AND CONTROL PLAN

5.0 SPILL PREVENTION AND CONTROL PLAN

5.1 INTRODUCTION

The Spill Prevention and Control Plan (SPCP) describes measures to prevent, control, and minimize impacts from a spill of a hazardous, toxic, or petroleum substance during construction of the proposed project in the State of Missouri. This plan identifies the potentially hazardous materials to be used during this project; describes transport, storage, and disposal procedures for these substances; and outlines procedures to be followed in the event of a spill of a contaminating or toxic substance.

5.2 MATERIAL MANAGEMENT PRACTICES

Properly managing these materials on the construction site will greatly reduce the potential for storm water pollution of these materials. Good housekeeping along with proper use and storage of these construction materials form the basis for proper management of potentially hazardous material.

5.2.1 Good Housekeeping

The proper use of materials and equipment along with the use of general common sense greatly reduces the potential for contaminating storm water runoff. The following is a list of good housekeeping practices to be used during the construction project:

- Storage of hazardous materials, chemicals, fuels, and oils and fueling of construction equipment, shall not be performed within 100 feet of any stream bank, wetland, water supply well, spring, or other waterbody.
- An effort will be made to store only enough products required to complete the job.
- Materials stored on the site will be stored in a neat, orderly manner in appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in original containers with the original manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.

- Whenever possible, all of the product will be used before disposing of the container.
- Manufacturer's recommendations for proper use and disposal of a product will be followed.
- If surplus product must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.

5.2.2 Product-Specific Practices

Due to the chemical makeup of specific products, certain handling and storage procedures are required to promote the safety of handlers and prevent the possibility of pollution. Care shall be taken to follow all directions and warnings for products used on the site. All pertinent information can be found on the Material Safety Data Sheets (MSDS) for each product. The MSDS sheets should be located with each representative product container. Several product-specific practices are listed in the following sections.

5.2.2.1 Petroleum Products

On-site vehicles will be monitored for leaks and receive regular maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Preferably, the containers will be stored in a covered truck or trailer that provides secondary containment for the products.

Bulk storage tanks having a capacity of greater than 55 gallons will be provided with secondary containment. Containment can be provided by a temporary earthen berm or other means. After each rainfall, the contractor shall inspect the contents of the secondary containment area for excess water. If no sheen is visible, the collected water can be pumped to the ground in a manner that does not cause scouring. If present, any sheen must be cleaned up prior to discharging the water.

Bulk fuel or lubricating oil dispensers shall have a valve that must be held open to allow the flow of fuel. During fueling operations, the contractor shall have personnel present to detect and contain spills.

5.2.2.2. Fertilizers

Fertilizers used to stimulate vegetation growth will be used in minimal amounts recommended by the manufacturer. Once applied, the fertilizer will be worked into the soil to limit exposure to storm water.

5.3 SPILL CONTROL AND CLEANUP

In addition to the material management practices discussed previously, the following spill control and cleanup practices will be followed to prevent storm water pollution in the event of a spill.

- Spills will be contained and cleaned up immediately after discovery.
- Manufacturer methods for spill cleanup of a material will be followed as described on the material's MSDS.
- Materials and equipment needed for cleanup procedures will be kept readily available on the site, either at an equipment storage area or on contractor's trucks. Equipment to be kept on the site will include but not be limited to brooms, dust pans, shovels, granular absorbents, sand, saw dust, absorbent pads and booms, plastic and metal trash containers, gloves, and goggles.
- Personnel on the site will be made aware of cleanup procedures and the location of spill cleanup equipment.
- Toxic, hazardous or petroleum product spills required to be reported by regulation will be documented to the appropriate federal, state, and local agencies.
- Spills will be documented and a record of the spills will be kept with this SWPPP.
- If a spill occurs that is reportable to the federal, state, or local agencies, the contractor is responsible for making the notifications.

The federal reportable spill quantity for petroleum products is defined in 40 CFR 110 as any oil spill that:

- Violates applicable water quality standards,
- Causes a film or sheen upon or discoloration of the water surface or adjoining shoreline, or,
- Causes a sludge or emulsion to be deposited beneath the surface of the water or adjoining shorelines.

In the State of Missouri, a reportable spill of petroleum is the discharge into the environment of more than 50 gallons. The federal reportable spill quantities for hazardous materials are listed in 40 CFR, Part 302.4 in the table entitled "List of Hazardous Substances and Reportable Quantities." A procedure for determining a reportable spill is included in Appendix D along with a copy of the Spill Report Form to be filled out in case of a spill. The reportable spill quantity for hazardous materials in the State of Missouri follows the Federal reportable quantity listed in 40 CFR, Part 302.4.

If a spill is reportable, the contractor's superintendent will, within 15 minutes of the spill, notify Alan Dancy at (816) 737-7696 and the following authorities:

Federal:

National Response Center - 1-800-424-8802

EPA Region 7: 24-hour Emergency Response Center - (913) 281-0991

State:

Missouri Emergency Response Commission

Department of Natural Resources

(573) 634-2436 (in-state, 24 hours)

If a reportable release occurs, a modification to the SWPPP must be made within 14 days.

The modification shall include:

- Date of the release;
- Description of the release;
- Explanation of why the spill happened;
- Description of procedures to prevent future spills and/or releases from happening; and
- Description of response procedures if a second spill or release occurs within 14 days of the first release.

A written description of the release must be submitted to the permitting authority that includes:

- Description of the release, including the date of the release, the type of material and the estimated amount of spill;
- Explanation of why the spill happened; and
- Description of the steps taken to prevent and control future releases.

These modifications to the SWPPP must be made by the contractor and will be documented on the form in Appendix D.

APPENDICES

APPENDIX A
EROSION CONTROL, GRADING, AND DRAINAGE PLAN



APPENDIX B
EROSION AND SEDIMENT CONTROL DETAILS

SOURCE: MODIFIED FROM VA, DCR, 1982

SEDIMENT FENCE

SEDIMENT FENCE NOTES:

A) INSTALLATION:

1. THE HEIGHT OF SEDIMENT FENCE SHALL BE A MINIMUM OF 18 INCHES ABOVE THE ORIGINAL GROUND SURFACE AND SHALL NOT EXCEED 34 INCHES ABOVE THE GROUND SURFACE.
2. THE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE UNAVOIDABLE, FILTER CLOTH SHALL BE SECURELY SPLICED TOGETHER ONLY AT SUPPORT POSTS, WITH A MAX 6-INCH OVERLAP.

3. DIG A TRENCH AT LEAST 6 INCHES DEEP AND 4 INCHES WIDE ALONG THE FENCE ALIGNMENT.
4. DRIVE POSTS AT LEAST 24 INCHES INTO THE GROUND ON THE DOWNSLOPE SIDE OF THE TRENCH, SPACE POSTS A MAXIMUM OF 6 FEET APART.
5. EXTRA-STRENGTH SEDIMENT FENCE FABRIC SHALL BE USED. POSTS FOR THIS TYPE OF FABRIC SHALL BE PLACED A MAXIMUM OF 6 FEET APART. THE SEDIMENT FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING A MINIMUM OF ONE INCH LONG, HEAVY-DUTY WIRE STAPLES OR TIE-WIRES, AND EIGHT INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

6. PLACE THE BOTTOM 1 FOOT OF FABRIC IN THE MINIMUM-OF-6-INCH DEEP TRENCH, LAPPING TOWARD THE UPSLOPE SIDE. BACKFILL WITH COMPACTED EARTH OR GRAVEL.
7. IF A SEDIMENT FENCE IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, IT MUST BE OF SUFFICIENT LENGTH TO ELIMINATE ENDFLOW, AND THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE, PLACED ON A CONTOUR, WITH THE ENDS ORIENTED UPSLOPE. EXTRA-STRENGTH SEDIMENT FABRIC SHALL BE USED WITH A MAXIMUM 3-FOOT SPACING OF POSTS.
8. TO REDUCE MAINTENANCE, EXCAVATE A SHALLOW SEDIMENT STORAGE AREA IN THE UPSLOPE SIDE OF THE FENCE. PROVIDE GOOD ACCESS IN AREAS OF HEAVY SEDIMENTATION FOR CLEAN OUT AND MAINTENANCE.

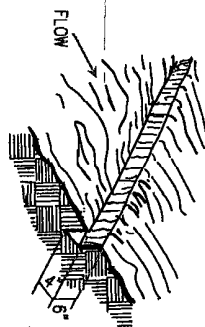
9. SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

B) TROUBLESHOOTING:

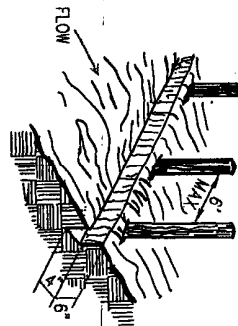
1. DETERMINE THE EXACT LOCATION OF UNDERGROUND UTILITIES. BEFORE FENCE INSTALLATION SO UTILITIES ARE NOT DISTURBED.
2. GRADE ALIGNMENT OF FENCE AS NEEDED TO PROVIDE A BROAD, NEARLY LEVEL AREA UPSTREAM OF FENCE TO ALLOW SEDIMENT COLLECTION AREA.

C) INSPECTION/MAINTENANCE:

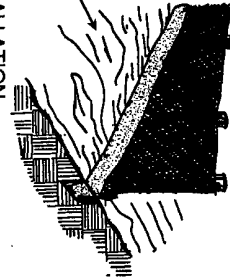
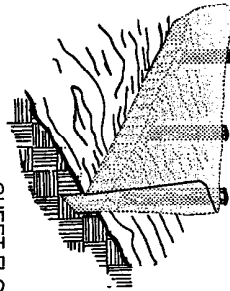
1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. AVOID DAMAGING OR UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT ACCUMULATION SHOULD NOT EXCEED 1/2 THE HEIGHT OF THE FENCE.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY AND COMPLETELY STABILIZED.



1. EXCAVATE A 6"x4" TRENCH.
2. SET THE STAKES ALONG THE DOWN SLOPE SIDE OF THE TRENCH.

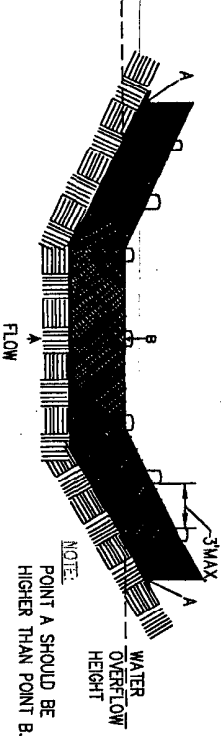


3. STAPLE GEOTEXTILE MATERIAL TO STAKES AND EXTEND IT INTO AND AROUND THE BOTTOM OF THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL OVER THE GEOTEXTILE IN THE TRENCH.



SHEET FLOW INSTALLATION (PERSPECTIVE VIEW) NOT TO SCALE

DRAINAGEWAY INSTALLATION (FRONT ELEVATION) NOT TO SCALE



AMERICAN PUBLIC WORKS ASSOCIATION

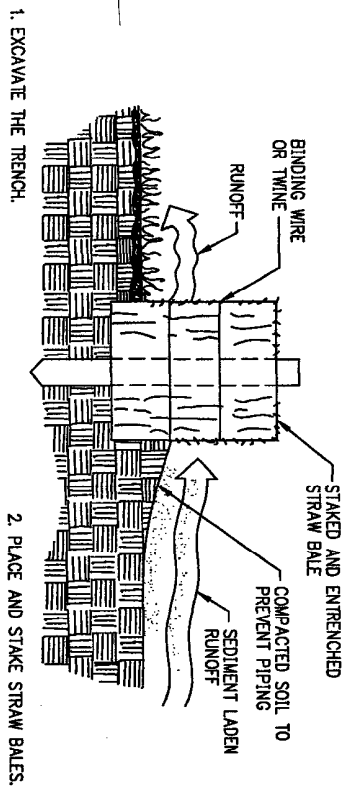
APWA

KANSAS CITY
METROPOLITAN CHAPTER

SEDIMENT FENCE

STANDARD DRAWING
REVISED 03-10
ADOPTED

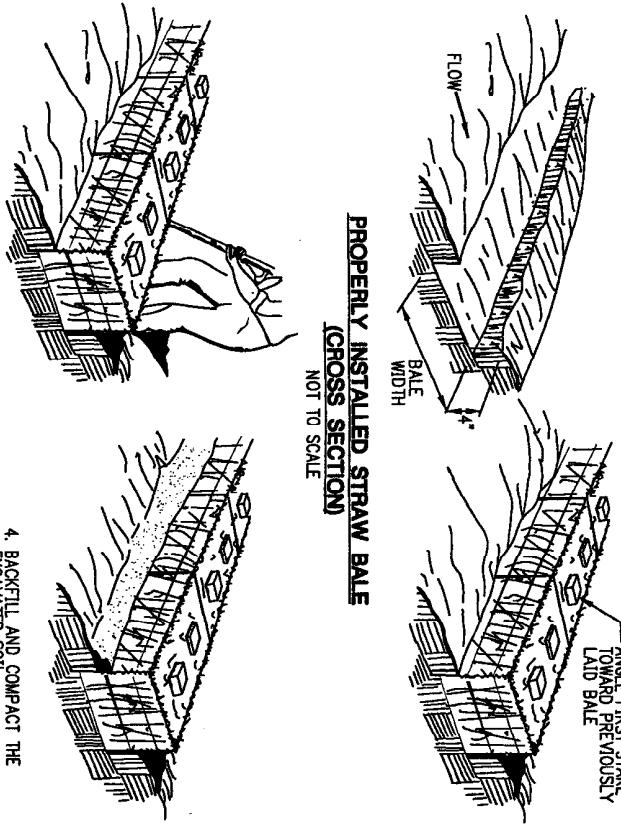
STRAW BALE BARRIER



1. EXCAVATE THE TRENCH.

2. PLACE AND STAKE STRAW BALES.

PROPERLY INSTALLED STRAW BALE (CROSS SECTION) NOT TO SCALE



3. WEDGE LOOSE STRAW BETWEEN BALES.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

CONSTRUCTION OF STRAW BALE BARRIER

STRAW BALE BARRIER NOTES:

A) INSTALLATION:

1. EXCAVATE A TRENCH AT LEAST 4 INCHES DEEP, A BALE'S WIDTH, AND LONG ENOUGH THAT THE END BALES ARE SOMEWHAT UPSLOPE OF THE SEDIMENT POOL.
2. PLACE EACH BALE END TO END IN THE TRENCH SO THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN TOP TO BOTTOM.
3. ANCHOR THE BALES BY DRIVING TWO 3/8-INCH LONG, 2X2-INCH HARDWOOD STAKES THROUGH EACH BALE UNTIL NEARLY FLUSH WITH THE TOP. DRIVE THE FIRST STAKE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
4. WEDGE LOOSE STRAW INTO ANY GAPS BETWEEN THE BALES TO PREVENT SEDIMENT-LOADED WATER FROM LEAKING THROUGH.
5. BACKFILL AND COMPACT THE EXCAVATED SOIL AGAINST THE BALES TO GROUND LEVEL ON THE DOWNSLOPE SIDE AND TO 4 INCHES ABOVE GROUND LEVEL ON THE UPSLOPE SIDE.

B) CONSTRUCTION SPECIFICATIONS:

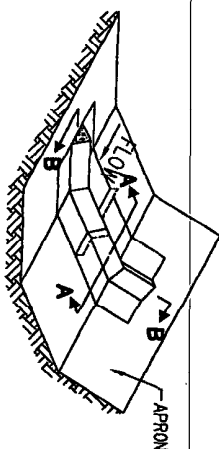
1. ONLY USE AS PERIMETER CONTROL FOR LESS THAN ONE ACRE OF RUNOFF AREA.
2. DETERMINE EXACT LOCATION OF UNDERGROUND UTILITIES.
3. GRADE ALIGNMENT OF BARRIER AS NEEDED TO PROVIDE BROAD, NEARLY LEVEL AREA UPSTREAM OF BARRIER.

C) INSPECTION AND MAINTENANCE:

1. INSPECT STRAW BALE BARRIERS AFTER EACH STORM EVENT AND REMOVE ANY SEDIMENT DEPOSITS PROMPTLY, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED BALES.
2. INSPECT PERIODICALLY FOR DETEIORATION OR DAMAGE FROM CONSTRUCTION ACTIVITIES. REPLACE DAMAGED BALES IMMEDIATELY.
3. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL STRAW BALES AND SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

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STRAW BALE BARRIER	STANDARD SPEC-10 ADOPTED

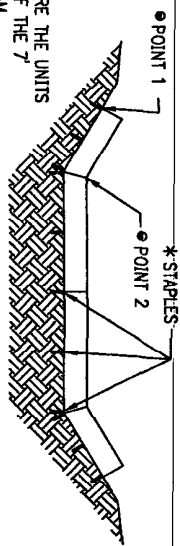
SOURCE: TRIANGULAR SILT DIKE CO., INC.



SILT DIKE UNIT CUT SECTION

- NOTES:
- * STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.
 - POINT 1 MUST BE HIGHER THAN POINT 2 TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

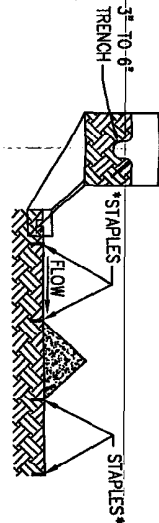
TRIANGULAR SILT DIKE™



DITCH CHECK

- * STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.

DIKE SECTION DETAIL B-B



DETAIL A-A

TRIANGULAR SILT DIKE™ NOTES:

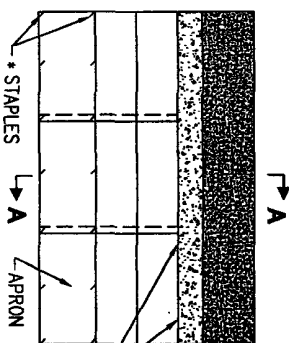
A) GENERAL NOTES:

1. TRIANGULAR SILT DIKE SHALL BE TRIANGULAR SHAPED HAVING A HEIGHT OF AT LEAST EIGHT TO TEN INCHES IN THE CENTER WITH EQUAL SIDES AND A SIXTEEN- TO TWENTY- INCH BASE. THE TRIANGULAR SHAPED INNER MATERIAL SHALL BE URETHANE FOAM. THE OUTER COVER SHALL BE A WOVEN GEOTEXTILE FABRIC PLACED AROUND THE INNER MATERIAL AND ALLOWED TO EXTEND BEYOND BOTH SIDES OF THE TRIANGLE TWO TO THREE FEET.
2. LENGTH SHALL BE THREE TO SEVEN FEET. STANDARD LENGTH WILL BE SEVEN UNLESS OTHERWISE INDICATED ON THE PLANS.
3. THE DIKES SHALL BE ATTACHED TO THE GROUND WITH WIRE STAPLES. THE STAPLES SHALL BE NO. 11 GAUGE WIRE AND BE AT LEAST SIX TO EIGHT INCHES LONG. STAPLES SHALL BE PLACED AS SHOWN ON THE INSTALLATION DETAIL.

B) INSPECTION AND MAINTENANCE:

1. THE CONTRACTOR SHALL INSPECT ALL DIKES AFTER EACH RAINFALL EVENT OF 1/2 INCH OR GREATER. ANY DEFICIENCIES OR DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR.
2. ACCUMULATED SEDIMENT OR DEBRIS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. IF THE DIKES ARE DAMAGED OR INADVERTENTLY MOVED DURING THE SEDIMENT REMOVAL PROCESS, THE CONTRACTOR SHALL RE-ESTABLISH CONTINUITY.

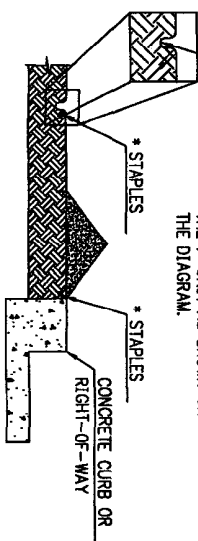
DIKE PLAN VIEW



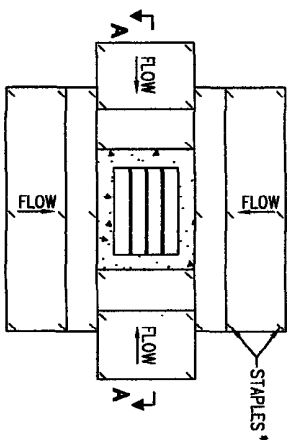
APRON ON THIS SIDE OF THE DIKE SHOULD BE FOLDED UNDER THE DIKE SECTION AND STAPLED DOWN

CONTINUOUS BARRIER

DETAIL A-A

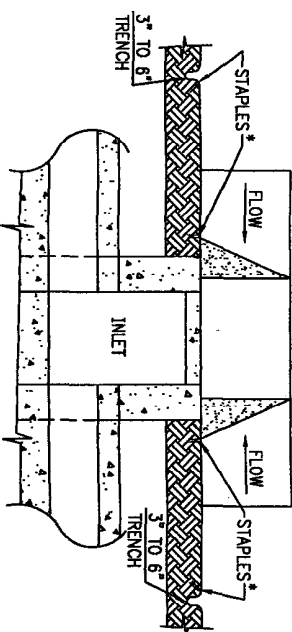


PLAN VIEW



DROP INLET

DETAIL A-A

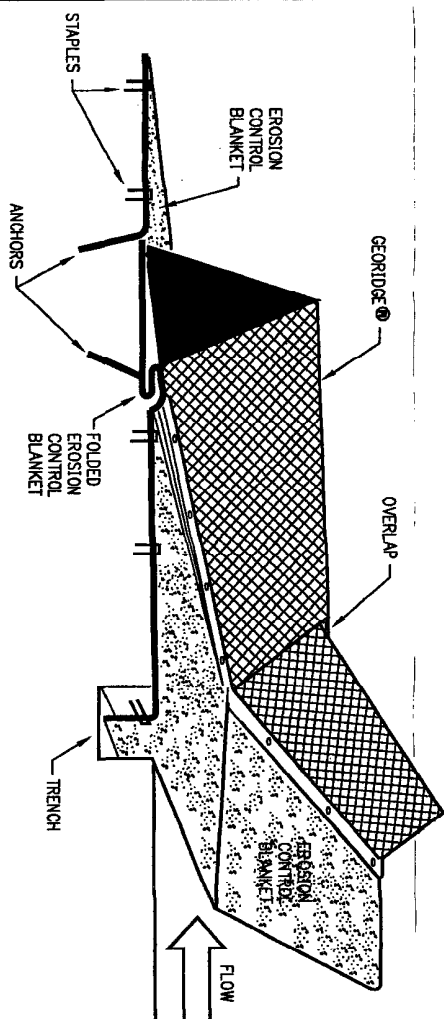


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TRIANGULAR SILT DIKE™

STANDARD DRAWING
NUMBER ESC-16
ADOPTED

SOURCE: WWW.GEORIDGE.COM



GEO-RIDGE®

GEO-RIDGE® NOTES:

A) GEO-RIDGE® INSTALLATION:

1. PREPARE THE CHANNEL BY FORMING THE SHAPE AND GRADE OF THE CHANNEL AND COMPACTING THE SUBGRADE.
2. APPLY SOIL ADDITIVES SUCH AS FERTILIZER AND LIME, AND SEED AS REQUIRED.
3. SURVEY LOCATIONS OF DITCH CHECKS ALONG THE LENGTH OF CHANNEL.
4. INSTALL EROSION CONTROL BLANKETS.
 - a. FOR FULL CHANNEL LINING, FOLLOW MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. LEAVE A 4" FLAP OF EROSION CONTROL BLANKET TO FOLD OVER THE UPSTREAM LEG OF THE GEO-RIDGE®.
 - b. FOR EROSION CONTROL BLANKETS UNDER THE GEO-RIDGE® ONLY, USE A COCONUT BLANKET AS A MINIMUM GRADE OF EROSION CONTROL BLANKET. INSTALL A 3.3-FOOT-WIDE EROSION CONTROL BLANKET PERPENDICULAR TO THE DIRECTION OF FLOW, CENTERED UNDER THE GEO-RIDGE®. ALLOW 4" SLACK ACROSS EROSION CONTROL BLANKET WIDTH FOR FOLDING OVER THE UPSTREAM FOOT OF THE GEO-RIDGE® BERM. PROVIDE A 6" X 6" TRENCH AT THE UPSTREAM EDGE OF THE EROSION CONTROL BLANKET. STAPLE THE EROSION CONTROL BLANKET ONTO BOTTOM OF THE TRENCH WITH MINIMUM 6" STAPLES AT 20" SPACING ON CENTER. RE-COMPACT THE SOIL INTO THE TRENCH.
5. PLACE GEO-RIDGE® BERMS PERPENDICULAR TO THE DIRECTION OF FLOW. OVERLAP PANELS BY MINIMUM 2". CUT A SLOT IN THE CREST OF THE OVERLAPPING BERM TO ALLOW CONTACT BETWEEN THE FOOT OF THE BERM AND THE SOIL.
6. SECURE BERMS WITH 10" PINS AND 1.5" WASHERS THROUGH THE FOLDED EROSION CONTROL BLANKET AND THE FOOT OF THE UNIT. THE PIN SPACING ACROSS THE WIDTH OF THE PANEL SHOULD BE 19.7" ON CENTER FOR THE UPSTREAM LEG AND 39.6" ON CENTER FOR THE DOWNSTREAM LEG.

B) INSPECTION AND MAINTENANCE:

1. THE CONTRACTOR SHALL INSPECT ALL GEO-RIDGE® AFTER EACH RAIN EVENT OF 1/2 INCH OR GREATER. ANY DEFICIENCIES OR DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR.
2. ACCUMULATED SEDIMENT OR DEBRIS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. IF THE GEO-RIDGE® IS DAMAGED OR INADVERTENTLY MOVED DURING THE SEDIMENT REMOVAL PROCESS, THE CONTRACTOR SHALL RE-ESTABLISH CONTINUITY.

AMERICAN PUBLIC WORKS ASSOCIATION

APWA

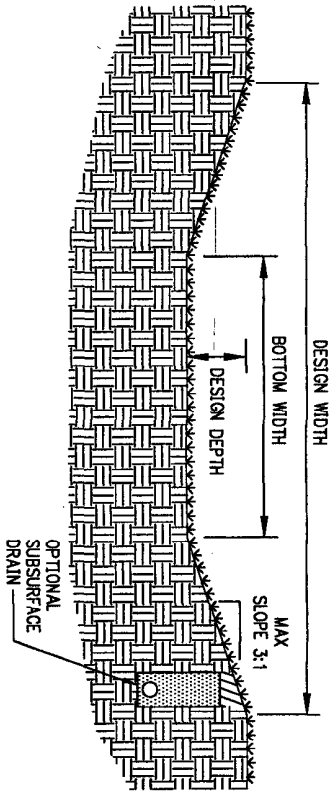
KANSAS CITY
METROPOLITAN CHAPTER

GEO-RIDGE®

STANDARD DRAWING
NUMBER ESC-17
ADOPTED:

SOURCE: MODIFIED FROM KOWR, 1998

TRAPEZOIDAL GRASS-LINED CHANNEL



NOTES:

1. SIDE SLOPES SHOULD BE 3H:1V OR FLATTER.
2. USE MULCH, EROSION CONTROL BLANKETS, TURF REINFORCEMENT MAT, OR OTHER APPROPRIATE PRACTICES AS SPECIFIED IN THE DESIGN PLAN.
3. CHANNELS SHOULD EMPTY INTO SEDIMENT TRAPS, DETENTION/RETENTION BASINS, OR STABLE OUTLETS.
4. USE A SUBSURFACE DRAIN IN AREAS WITH SEASONABLY HIGH WATER TABLES OR SEEPAGE PROBLEMS.

TRAPEZOIDAL GRASS-LINED CHANNEL NOTES:

A) CONSTRUCTION SPECIFICATIONS:

1. REMOVE ALL TREES, BRUSH, STUMPS, AND OTHER OBSTRUCTIONABLE MATERIAL FROM THE FOUNDATION AREA.
2. EXCAVATE THE CHANNEL AND SHAPE IT TO MEET LINES AND DIMENSIONS ON THE PLANS PLUS A 0.2-FT OVERCUT AROUND THE CHANNEL PERIMETER TO ALLOW FOR BULKING DURING SEEDBED PREPARATIONS AND SOD BUILDUP.
3. REMOVE AND PROPERLY DISPOSE OF ALL EXCESS SOIL SO THAT SURFACE WATER MAY ENTER THE CHANNEL FREELY.
4. THE PROCEDURE USED TO ESTABLISH GRASS IN THE CHANNEL WILL DEPEND UPON THE SEVERITY OF THE CONDITIONS AND SELECTION OF SPECIES. PROTECT THE CHANNEL WITH MULCH OR A ROLLED EROSION CONTROL PRODUCT SUFFICIENT TO WITHSTAND ANTICIPATED VELOCITY AND SHEAR STRESS DURING THE ESTABLISHMENT PERIOD.

B) INSPECTION AND MAINTENANCE:

1. CHECK THE DEVICE AFTER EVERY 1/2-INCH OR GREATER RAINFALL EVENT. IMMEDIATELY MAKE REPAIRS. CHECK THE CHANNEL, OUTLET AND ALL ROAD CROSSEINGS FOR BANK STABILITY AND EVIDENCE OF PILING OR SCOUR HOLES. REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGN CARRYING CAPACITY. KEEP THE GRASS IN A HEALTHY, VIGOROUS CONDITION AT ALL TIMES SINCE IT IS THE PRIMARY EROSION PROTECTION FOR THE CHANNEL.

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TRAPEZOIDAL GRASS-LINED
CHANNEL

STANDARD DRAWING
NUMBER ESC-30
ADOPTED:

APPENDIX C
INSPECTION FORMS

Aquila, Inc.
South Harper Peaking Facility
INSPECTION REPORT

Name of Permittee: _____

Drawing No.: _____

Construction Site Name: _____

Construction Site ID No.: _____

Inspector: _____

Date: _____

Description of Present Phase of Construction: _____

Site Conditions: _____

Inspection Event: _____ WEEKLY _____ BIWEEKLY _____ RAIN EVENT _____ OTHER

Measures & Controls	Place Where Erosion Control was Inspected	In Conformance with Design Standard	Effective Pollutant Control Practice
Construction Entrance		YES / NO	YES / NO
Silt/Sediment Fence		YES / NO	YES / NO
Straw Bale Barrier		YES / NO	YES / NO
Temporary/Permanent Seeding		YES / NO	YES / NO
Check Dams		YES / NO	YES / NO
Mulch		YES / NO	YES / NO
Protection of Trees		YES / NO	YES / NO
Solid Waste Disposal		YES / NO	YES / NO
Equipment Fueling/Storage		YES / NO	YES / NO
Hazardous Materials Storage		YES / NO	YES / NO
Hazardous Waste		YES / NO	YES / NO

VIOLATIONS NOTED: (Explain each "NO" circled above)

RECOMMENDED REMEDIAL ACTIONS AND SCHEDULE OF THOSE EVENTS:

COMMENTS:

Based on the results of the inspection, necessary control modifications shall be implemented within seven (7) calendar days. These reports shall be kept on file as part of the Construction Site Erosion Control Plan for at least three years from the date that the site is finally stabilized. A copy of the ECP shall be kept at the site at all times during construction.

Certification Statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Telephone: _____

Printed Name: _____

Aquila, Inc.
South Harper Peaking Facility
RECORD OF REVISIONS

Name of Permittee: _____

Drawing No.: _____

Construction Site Name: _____

Construction Phase.: _____

Inspector: _____

Date: _____

Date	Sections Modified	Description of Modification	Approval Signatures

APPENDIX D
SPILL REPORT FORMS

Procedures for Determining if a Hazardous Material Spill is a Reportable Quantity

- 1) First determine the type and quantity of material that has been spilled.
- 2) Obtain a material safety data sheet (MSDS) for the spilled material and determine whether any of the constituents are listed in Table 302.4 in 40 CFR 302.
- 3) If none of the constituents in the spilled material are listed in the table (excluding ethylene glycol), the spill is not reportable.
- 4) If the constituents in the spilled material are listed in the table, use the following equation to determine the pounds of material spilled:

$$\text{Pounds Spilled} = (V) (Wt\%) (Sg) (0.0834)$$

Where:

V = Volume of the material spilled, in gallons

Wt% = The weight percent of the constituents in the spilled material (see the MSDS)

Sg = Specific gravity of spilled material (see MSDS)

For Example:

V = 7 gallons

Wt% = 3.5

Sg = 1.04

Pounds Spilled = (7) (3.5) (1.04) (0.834) = 2.13 pounds

- 5) If, based on the calculation, the pounds spilled are greater than the Final RQ (reportable quantity) value listed in Table 302.4 of 40 CFR 302 or the State's reportable quantity minimum amount, the spill must be reported to the appropriate federal, state, and local agencies.

Aquila, Inc. South Harper Peaking Facility
Storm Water Pollution Prevention Plan
Spill Report Form

Spill Reported By: _____
Name

Phone Number

Date Reported: _____

Time:

Date of Spill: _____

Time:

Name of Facility:

Legal Description: ____ 1/4 ____ 1/4 ____ 1/4 SEC ____, TWP ____, Range ____,
County

Describe Spill Location and Events Leading to Spill:

Material Spilled:

Source of Spill:

Amount Spilled (Gallons or Pounds):

Amount Spilled to Waterway (Gallons or Pounds):

Nearest Municipality:

Containment or Cleanup Action:

List Environmental Damage (fish kill, etc.):

List Injuries or Personal Contamination:

Date and Time Cleanup Completed or Terminated:

If Cleanup Delayed, Nature and Duration of Delay:

Description of Materials Contaminated:

Approximate Depth of Soil Excavation:

Action To Be Taken to Prevent Future Spills:

Agencies Notified:

Local: _____ Date: _____

State: _____ Date: _____

Federal: _____ Date: _____

Signed: _____
Contractor Superintendent or
Environmental Inspector

APPENDIX E
GENERAL PERMIT NO. MO-R106798

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

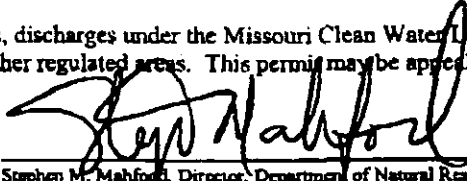
Construction or land disturbance activity (e.g., clearing, grubbing, excavating, grading, and other activity that results in the destruction of the root zone).

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

February 7, 2007
Expiration Date
MO 190-1441 (7-44)


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


James R. Macy, Director, Kansas City Regional Office

APPLICABILITY

1. This general permit authorizes the discharge of storm water and certain non-storm water discharges from land disturbance sites that disturb one (1) or more acres over the life of the project or which is part of a larger common plan of development or sale that will disturb one or more acres over the life of the project. This general permit also authorizes the discharge of storm water and certain non-storm water discharges from smaller projects where the department has exercised its discretion to require a permit [10 CSR 20-6.200 (1)(B)].

A Missouri State Operating Permit that specifically identifies the project must be issued before any site vegetation is removed or the site disturbed.

Any site owner/operator subject to these requirements for storm water discharges and who disturbs land prior to permit issuance from MDNR is in violation of both State and Federal laws.

2. This permit authorizes non-storm water discharges from the following activities provided that these discharges are addressed in the permittee's specific Storm Water Pollution Prevention Plan (SWPPP) required by this general permit:
 - a. De-watering activities if there are no contaminants other than sediment present in the discharge,
 - b. Flushing water hydrants and potable water lines,
 - c. Water only (i.e., without detergents or additives) rinsing of streets and buildings, and,
 - d. Site watering to establish vegetation.
3. This permit does not apply to storm water discharges within 1000 feet of:
 - a. Streams identified as a losing stream*,
 - b. Streams or lakes listed as an outstanding national or state resource water*,
 - c. Reservoirs or lakes used for public drinking water supplies (class L1)*, or
 - d. Streams, lakes or reservoirs identified as critical habitat for endangered species.
4. This permit does not apply to storm water discharges:
 - a. Within 100 feet of a permanent stream (class P) or major reservoir (class L2)*, or
 - b. Within two stream miles upstream of biocriteria reference locations*.
5. This permit does not apply to storm water discharges where:
 - a. Any of the disturbed area is defined as a wetland (Class W)*, or
 - b. The storm water discharges to a sinkhole or other direct conduit to groundwater.
6. This general permit does not authorize the placement of fill materials in flood plains, the obstruction of stream flow, directing storm waters across private property not owned or operated by the permittee, or changing the channel of a defined drainage course. This general permit is intended to address only the quality of the storm water runoff and minimize off-site migration of sediments and other water contaminants.
7. This general permit does not authorize any discharge to waters of the state of sewage, wastewaters, or pollutants such as:
 - a. Hazardous substances or petroleum products from an on-site spill or improper handling and disposal practices,
 - b. Wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks unless such discharges are adequately treated and addressed in the Storm Water Pollution Prevention Plan, or
 - c. Wastewater generated from air pollution control equipment or the containment of scrubber water in lined ponds, or
 - d. Domestic wastewaters, including gray waters.

* Identified or described in 10 CSR 20, Chapter 7. These regulations are available at many libraries and may be purchased from MDNR by calling the Water Pollution Control Program.

APPLICABILITY (continued)

8. MDNR reserves the right to deny coverage under this general permit to applicants for storm water discharges from land disturbance activities at sites that have contaminated soils that will be disturbed by the land disturbance activity or where such materials are brought to the site to use as fill or borrow. Such activities are normally covered by a site specific permit.
9. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner/operator of the permitted site to apply for a site specific permit, the department may require any person to obtain a site specific operating permit [10 CSR 20-6.010 (13) and 10 CSR 20-6.200(5)].

The department may require the permittee to apply for and obtain a site specific or different general permit if:

- a. The permittee is not in compliance with the conditions of this general permit;
- b. The discharge no longer qualifies for this general permit due to changed site conditions and regulations; or
- c. Information becomes available that indicates water quality standards have been or may be violated.

The permittee will be notified in writing of the need to apply for a site specific permit or a different general permit. When a site specific permit or different general permit is issued to the authorized permittee, the applicability of this general permit to the permittee is automatically terminated upon the effective date of the site specific or different general permit, whichever the case may be. The permittee shall submit the appropriate Forms to the department to terminate the permit that has been replaced.

10. Any owner/operator authorized by a general permit may request to be excluded from the coverage of the general permit and apply for a site specific permit [10 CSR 20-6.010 (13) and 10 CSR 20-6.200(5)].
11. This permit is not transferable to other owners or operators unless all of the conditions listed in the "Transfer of Ownership" section are met.

EXEMPTIONS FROM PERMIT REQUIREMENTS

1. Facilities that discharge all storm water runoff directly to a combined sewer system are exempt from storm water permit requirements.
2. Linear, strip or ribbon construction, or maintenance operations as identified in 10 CSR 20-6.200 (1)(B), where water quality standards are not exceeded.
3. Sites that disturb less than one acre of total land area that are not part of a common plan or sale and that do not cause any violations of water quality standards and are not otherwise designated by the department as requiring a permit.
4. Agricultural storm water discharges and irrigation return flows. For purposes of this permit, land disturbance activities from Animal Feeding Operations (AFO) are not considered an agricultural activity and therefore not included in this exemption.

REQUIREMENTS AND GUIDELINES

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. The discharge of storm water from these facilities shall not cause a violation of the state water quality standards, 10 CSR 20-7.031, which states, in part, that no water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - a. Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - b. Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - c. Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - d. Waters shall be free from substances or conditions in sufficient amounts to have a harmful effect on human, animal or aquatic life.
 - e. There shall be no significant human health hazard from incidental contact with the water;
 - f. There shall be no acute toxicity to livestock or wildlife watering;
 - g. Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - h. Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles, or equipment and solid waste as defined in Missouri's Solid Waste Law, Section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to Section 260.200-260.247.
2. Good housekeeping practices shall be maintained on the site to keep solid waste from entry into waters of the state.
3. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
4. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
5. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
6. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Sufficient practices of spill prevention, control, and/or management shall be provided to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.

REQUIREMENTS AND GUIDELINES (continued)

7. The primary requirement of this permit is the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP) that

- a. Incorporates required practices identified below,
- b. Incorporates erosion control practices specific to site conditions, and
- c. Provides for maintenance and adherence to the plan.

For new applicants, before removing any site vegetation, disturbing earth, or submitting an application, the permittee shall develop a SWPPP that is specific to the land disturbance activities at the site. This plan must be developed before a permit can be issued and made available as specified under RECORDS. However, the plan should not be submitted to the department unless specifically requested.

The permittee shall fully implement the provisions of the SWPPP required under this part as a condition of this general permit throughout the term of the land disturbance project.

The purpose of the SWPPP is to ensure the design, implementation, management, and maintenance of Best Management Practices (BMPs) in order to reduce the amount of sediment and other pollutants in storm water discharges associated with the land disturbance activities; comply with the Missouri Water Quality Standards; and ensure compliance with the terms and conditions of this general permit.

The permittee shall select, install, use, operate, and maintain the BMPs in accordance with the concepts and methods described in the following documents:

- a. **Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices**, (Document number EPA 832-R-92-005) published by the United States Environmental Protection Agency (USEPA) in 1992. This manual is available at The USEPA internet site: http://cfpubl.epa.gov/npdes/pubs.cfm?program_id=0 (searching under Publications/Policy and Guidance Documents).
- b. **Protecting Water Quality: A field guide to erosion, sediment and storm water best management practices for development sites in Missouri**, published by the Missouri Department of Natural Resources in November 1995.

The permittee is not limited to the use of these guidance manuals. Other commonly accepted publications may be used for guidance and must be referenced in the SWPPP if used. In addition, the permittee is not limited to the use of BMP identified in these manuals. However, any alternative BMPs should be justified by site conditions and described in the SWPPP.

8. SWPPP Requirements: The following information and practices shall be provided for in the SWPPP.
- a. **Site Description.** In order to identify the site, the SWPPP shall include the facility and outfall information provided in the Application Form. The SWPPP shall have sufficient information to be of practical use to contractors and site construction workers to guide the installation and maintenance of BMPs.
 - b. **Drainage areas:** The following guidelines are for protection of drainage areas and shall be addressed in the SWPPP.
 - i. Clearing and grubbing within 50 feet of a defined drainage course should be avoided.
 - ii. Where changes to defined drainage courses occur as part of the project, clearing and grubbing within 50 feet of the defined drainage course should be delayed until all materials and equipment necessary to protect and complete the drainage change are on site.
 - iii. Changes to defined drainage courses shall be completed as quickly as possible once the work has been initiated. The area impacted by the land disturbance of the drainage course change is to be revegetated or protected from erosion as soon as possible. Areas within 50 feet of defined drainage ways should be recontoured as needed and revegetated, seeded, or otherwise protected within five (5) working days after grading has ceased.

REQUIREMENTS AND GUIDELINES (continued)

8. SWPPP Requirements (continued)

b. Drainage areas (continued)

- iv. Work in defined drainages or water courses may require a permit from the U.S. Army Corps of Engineers pursuant to Section 404 of the federal Clean Water Act.

c. Description of Best Management Practices: The SWPPP shall include a description of the BMPs that will be used at the site. The SWPPP shall provide the following general information for each BMP which will be used one or more times at the site:

- i. Physical description of the BMP,
- ii. Site and physical conditions that must be met for effective use of the BMP,
- iii. BMP installation/construction procedures, including typical drawings, and
- iv. Operation and maintenance procedures for the BMP.

The SWPPP shall provide the following information for each specific instance where a BMP is to be installed:

- i. Whether the BMP is temporary or permanent,
- ii. Where, in relation to other site features, the BMP is to be located,
- iii. When the BMP will be installed in relation to each phase of the land disturbance procedures to complete the project, and
- iv. What site conditions must be met before removal of the BMP if the BMP is not a permanent BMP.

d. Disturbed Areas: Slopes for disturbed areas must be defined in the SWPPP. Where soil disturbing activities cease in an area for more than 14 days, the disturbed areas shall be protected from erosion by stabilizing the area with mulch or other similarly effective erosion control BMPs. If the slope of the area is greater than 3:1 or if the slope is greater than 3% and greater than 150 feet in length, then the disturbed areas shall be protected from erosion by stabilizing the area with mulch or other similarly effective erosion control BMPs if activities cease for more than seven days. These requirements do not apply to the slopes of a sedimentation basin or the areas that clearly drain thereto.e. Installation: The permittee shall ensure the BMPs are properly installed at the locations and relative times specified in the SWPPP. Peripheral or border BMPs to control runoff from disturbed areas shall be installed or marked for preservation before general site clearing is started. Storm water discharges from disturbed areas, which leave the site, shall pass through an appropriate impediment to sediment movement, such as a sedimentation basin, sediment traps, silt fences, etc. prior to leaving the land disturbance site. Bench marks shall be referenced for proper installation and operation and maintenance of drainage course changes.f. Temporary and Permanent Non-Structural BMPs: The SWPPP shall require existing vegetation to be preserved where practical. The time period for disturbed areas to be without vegetative cover is to be minimized to the extent practical.

Examples of non-structural BMPs which the permittee should consider specifying in the SWPPP include: preservation of trees and mature vegetation, protection of existing vegetation for use as buffer strips (especially along drainage courses), mulching, sodding, temporary seeding, final seeding, geotextiles, stabilization of disturbed areas, preserving existing stream channels as overflow areas when channel straightening or shortening is allowed, soil stabilizing emulsions and tackifiers, mulch tackifiers, stabilized site entrances/exits, and other appropriate BMPs.

REQUIREMENTS AND GUIDELINES (continued)8. SWPPP Requirements (continued)

- g. Temporary and Permanent Structural BMPs: Examples of structural BMPs that the permittee should consider specifying in the SWPPP include: diverting flows from undisturbed areas away from disturbed areas, silt (filter fabric or straw bale) fences, earthen diversion dikes, drainage swales, sediment traps, rock check dams, subsurface drains (to gather or transport water for surface discharge elsewhere), pipe slope drains (to carry concentrated flow down a slope face), level spreaders (to distribute concentrated flow into sheet flow), storm drain inlet protection and outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins, and other appropriate BMPs.
- h. Sedimentation Basins: The SWPPP shall require a sedimentation basin for each drainage area with 10 or more acres disturbed at one time. The sediment basin shall be sized to contain 0.5 inch of sediment from the drainage area and to be able to contain a 2-year, 24-hour storm. The sediment shall be cleaned out of the basin and otherwise maintained as needed until the drainage area is stabilized. This requirement does not apply to flows from areas where such flows are properly diverted around both the disturbed areas and the sediment basin. Discharges from the basin shall not cause scouring of the banks or bottom of the receiving stream.

Where use of a sediment basin of this size is impractical, the SWPPP shall evaluate and specify other similarly effective BMPs to be employed to control erosion and sediment delivery. The SWPPP shall require the basin be maintained until final stabilization of the area served by the basin.

The SWPPP shall require both temporary and permanent sedimentation basins to have a stabilized spillway to minimize the potential for erosion of the spillway or basin embankment.

- i. Additional Site Management BMPs: The SWPPP shall address other BMPs, as required by site activities, to prevent contamination of storm water runoff. Such BMPs include:
- i. Solid and hazardous waste management including: providing trash containers and regular site clean up for proper disposal of solid waste such as scrap building material, product/material shipping waste, food containers, and cups; and providing containers and proper disposal of waste paints, solvents, and cleaning compounds, etc.;
 - ii. Provision of portable toilets for proper disposal of sanitary sewage;
 - iii. Storage of construction materials away from drainage courses and low areas; and
 - iv. Installation of containment berms and use of drip pans at petroleum product and liquid storage tanks and containers.
- j. Permanent Storm Water Management: The SWPPP shall include a description of the measures that will be installed during land disturbance to control pollutants in storm water discharges that will occur after land disturbance activity has been completed. These could include drainage channels or systems; outlet control devices, detention basins, oil water separators, catch basins, etc. This general permit does not require the permittee or the permittee's contractors to operate or maintain these measures beyond the date of MDNR's Letter of Termination.
9. Amending/Updating the SWPPP: The permittee shall amend and update the SWPPP as appropriate during the term of the land disturbance activity. The permittee shall amend the SWPPP, at a minimum, whenever the:
- a. Design, operation, or maintenance of BMPs is changed;
 - b. Design of the construction project is changed that could significantly affect the quality of the storm water discharges;
 - c. Permittee's inspections indicate deficiencies in the SWPPP or any BMP;
 - d. MDNR notifies the permittee of deficiencies in the SWPPP;
 - e. SWPPP is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g., there is visual evidence, such as excessive site erosion or excessive sediment deposits in streams or lakes);
 - f. Total Settleable Solids from a storm water outfall exceed 2.5 ml/L/hr.; or
 - g. MDNR determines violations of Water Quality Standards may occur or have occurred.

REQUIREMENTS AND GUIDELINES (continued)

10. **Site Inspections Reports:** The permittee shall ensure the land disturbance site is inspected on a regular schedule and within a reasonable time period (not to exceed 72 hours) following heavy rains. Regularly scheduled inspections shall be at a minimum once per week. For disturbed areas that have not been finally stabilized, all installed BMPs and other pollution control measures shall be inspected for proper installation, operation and maintenance. Locations where storm water leaves the site shall be inspected for evidence of erosion or sediment deposition. Any deficiencies shall be noted in a weekly report of the inspection(s) and corrected within seven calendar days of the inspection report. The permittee shall promptly notify the site contractors responsible for operation and maintenance of BMPs of deficiencies.

A log of each inspection shall be kept. The inspection report is to include the following minimum information: inspector's name, date of inspection, observations relative to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, and listing of areas where land disturbance operations have permanently or temporarily stopped. The inspection report shall be signed by the permittee or by the person performing the inspection if duly authorized to do so.

11. **Proper Operation and Maintenance:** The permittee shall at all times maintain all pollution control measures and systems in good order to achieve compliance with the terms of this general permit.

The need to halt or reduce the permitted activity in order to maintain compliance with general permit conditions shall not be a defense to the permittee in an enforcement action.

12. **Notification to All Contractors:** The permittee shall notify each contractor or entity (including utility crews and city employees or their agents) who will perform work at the site of the existence of the SWPPP and what action or precautions shall be taken while on site to minimize the potential for erosion and the potential for damaging any BMP. If additional land is disturbed or any BMP damaged, then the permittee shall cause to have the disturbance or damage repaired.

OTHER DISCHARGES

1. **Hazardous Substance and Oil Spill Reporting:** Refer to Section B, #14 of Part I of the Standard Conditions that accompany this permit.
2. **Removed substances:** Refer to Section B, #6 of Part I of the Standard Conditions that accompany this permit.
3. **Change in discharge:** In the event soil contamination or hazardous substances are discovered at the site during land disturbance activities, the permittee shall notify MDNR in writing.

SAMPLING REQUIREMENTS AND EFFLUENT LIMITATIONS

1. Discharges shall not violate General Water Quality Standards 10 CSR 20-7.031(3). Settleable Solids shall not exceed a maximum of 2.5 ml/L/hr. for each storm water outfall.
2. There are no regular sampling requirements in this permit. However, the department may require sampling and reporting as a result of illegal discharges, compliance issues, complaint investigations, or other such evidence of off-site contamination from activities at the site. If such an action is needed, the department will specify in writing any additional sampling requirements, including such information as location, extent, and parameters.

RECORDS

1. The permittee shall retain copies of this general permit, the SWPPP and all amendments for the site named in the State Operating Permit, results of any monitoring and analysis, and all site inspection records required by this general permit. The permittee shall retain these records at a site which is readily available from the permitted site until final stabilization of a site is achieved. The local office of the permittee, their contractor or consultant is considered to be readily available from the project site if it is located in the same county as the project site. The records shall be accessible during normal business hours. After final stabilization the records may be maintained at the location of the permittee's main office. The records shall be retained for a period of at least three years from the date of the Letter of Termination.
2. The permittee shall provide a copy of the SWPPP to MDNR, USEPA, or any local agency or government representative if they request a copy in the performance of their official duties.
3. The permittee shall provide those who are responsible for installation, operation, or maintenance of any BMP a copy of the SWPPP.
4. The permittee, their representative, and/or the contractor(s) responsible for installation, operation, and maintenance of the BMPs shall have a current copy of the SWPPP with them when on the project site.

TRANSFER OF OWNERSHIP

1. Individual Lot or Lots: Federal and Missouri storm water regulations (10 CSR 20-6.200) require a storm water permit and erosion control for one acre or more disturbed as part of a common plan or sale. When individual lots (commercial, industrial, or residential) are sold to an entity for construction (unless sold to an individual for purposes of building their own private residence) are also subject to storm water regulations because they are part of the common sale.

The existing permittee who intends to transfer ownership of a lot or parcel of the overall permitted area is still responsible for the terms of this permit and erosion control on that site unless the new owner applies for and receives a separate Missouri State Operating Permit for storm water discharges from land disturbance activities. If the current permittee is to retain the permit and responsibility for control of sediment and other pollutants at the site, then the owner should obtain a copy of an Individual Lot Certification (ILC) from the lot owner(s).. The ILC should be properly completed and signed and retained with the SWPPP.

2. Entire Tract: If the entire tract is sold to a single entity, then this permit shall be terminated and the new owner shall submit an application for a new permit immediately.

TERMINATION

This permit may be terminated when the project is stabilized. The project is considered to be stabilized when either perennial vegetation, pavement, buildings, or structures using permanent materials cover all areas that have been disturbed. With respect to areas that have been vegetated, vegetative cover shall be at least 70% of fully established plant density over 100% of the disturbed area.

In order to terminate the permit, the permittee shall notify MDNR by submitting Form H, included with the State Operating Permit. The permittee shall complete Form H and mail it to MDNR at the address noted in the cover letter of this permit.

This general permit will expire five years from the effective date of the permit (see page 1). The issue date is the date the State Operating Permit is issued to the applicant. The expiration date may or may not coincide with the date the authorized project or development is scheduled for completion.

TERMINATION (continued)

If the project or development completion date will be after the expiration date of this general permit, then the permittee must reapply to the department for the permit to be re-issued. The permittee will receive notification of the expiration date of the permit before the expiration date listed on page 1 of this permit. In order for the permit to be re-issued, the permittee should submit the appropriate application form(s) at least 180 days before the expiration of the permit if land disturbance activity is expected to continue past the expiration date of this general permit.

If the permittee does not apply for the renewal of this permit, this permit will automatically terminate on the expiration date. Continued discharges from a site that has not been fully stabilized are prohibited beyond the expiration date; unless the permit is reissued or the permittee has filed a timely application for the reissuance of this permit.

DUTY TO COMPLY

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

MAILING ADDRESS

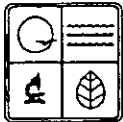
The permittee shall send all written correspondence and forms, which are to be submitted to MDNR to the address listed in the cover letter that accompanies this permit.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
(SEE MAP FOR APPROPRIATE REGIONAL OFFICE)
FORM E - APPLICATION FOR GENERAL PERMIT
UNDER MISSOURI CLEAN WATER LAW

FOR AGENCY USE ONLY	
CHECK NUMBER	
DATE RECEIVED	FEE SUBMITTED

1.00 CATEGORY OF GENERAL PERMIT APPLIED FOR			
Land Disturbance			
1.10 IS THIS FOR A STORM WATER ONLY DISCHARGE PERMIT			
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
1.20			
<input type="checkbox"/> a. This facility is now in operation under Missouri Operating Permit Number (NPDES) MO - _____ OR			
<input checked="" type="checkbox"/> b. This is a new permit.			
2.00 NAME OF FACILITY			
South Harper Peaking Facility			
2.10 ADDRESS (PHYSICAL)			
STREET		CITY	STATE
24110 S. Harper Road		Peculiar	MO
			ZIP CODE
			64708
3.00 OWNER			
NAME		EMAIL ADDRESS	PHONE
Aquila, Inc.			
			FAX
ADDRESS		CITY	STATE
20 West Ninth Street		Kansas City,	MO
			ZIP CODE
			64116
4.00 CONTINUING AUTHORITY			
NAME		PHONE	
SAME			
		FAX	
ADDRESS		CITY	STATE
			ZIP CODE
5.00 OPERATOR			
NAME		TELEPHONE NUMBER	
Terry Hedrick		816-737-7854	
6.00 FACILITY CONTACT			
NAME		PHONE	
Block Andrews		816-527-1354	
		FAX	
		816-527-4354	
TITLE			
Project Manager			
7.00 FOR EACH OUTFALL GIVE THE LEGAL DESCRIPTION (ATTACH ADDITIONAL SHEETS AS NECESSARY)			
Outfall Number NE 1/4 NE 1/4 Sec 32 T 45N R 32W _____ Case _____ County			
Outfall Number _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County			
Outfall Number _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ County			
7.10 FOR EACH OUTFALL LIST THE NAME OF THE RECEIVING WATER			
Outfall Number		Receiving Water	
Discharge from South end of site		Lake Annette	
Outfall Number _____		Receiving Water _____	
Outfall Number _____		Receiving Water _____	
7.20 BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS			
Aquila, Inc. operates electricity and natural gas distribution utilities serving seven U.S. States. Aquila also owns and operates power generation assets.			
7.30 Does the discharge(s) for which you are seeking a permit discharge to a combined sewer system? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
7.40 Primary SIC Code 4911			
7.50 If this application is for a storm water permit, list any materials that are stored outside and exposed to storm water.			
Potentially, some petroleum products may be stored on-site for equipment maintenance SWPPP addresses labeling, storage, and spill clean-up.			
7.60 Attach a USGS 1" = 2000' scale map showing the location of the facility in relation to the local road system. Indicate on the map the facility; the receiving stream; the points of discharge; and the map section, township and range.			
7.70 If this is an existing discharge, submit a summary of pollutants that have been analyzed in the past two years.			
7.80 What is the source of your drinking water? Bottled water			
7.90 What is the method of domestic wastewater disposal? Sanitary waste will be collected in portable units & disposed off-site.			
8.00 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, of the Missouri Clean Water Commission.			
A. NAME AND OFFICIAL TITLE (TYPE OR PRINT)		B. PHONE NO. (AREA CODE & NO.)	
Glenn P. Keefe, Operating V.P. Missouri Electric		816-590-2891	
C. SIGNATURE		D. DATE SIGNED	



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

**FORM G — APPLICATION FOR STORM WATER PERMIT (FORM E MUST BE INCLUDED)
UNDER THE GENERAL PERMIT: LAND DISTURBANCE**

1. NAME OF DEVELOPMENT	<u>South Harper Peaking Facility</u>
2. PHASE (INDICATE PHASE I, II & SO FORTH, IF APPLICABLE)	
3. NATURE OF CONSTRUCTION ACTIVITY	<u>Construction of power plant</u>
4. PHYSICAL LOCATION OF DEVELOPMENT (ADDRESS IF ASSIGNED)	<u>24110 S. Harper Road Peculiar, MO 64708</u>
5. DATE CONSTRUCTION IS TO BEGIN	<u>October 1, 2004</u>
6. TOTAL AREA OF SITE: <u>73</u> ACRES	
7. TOTAL AREA OF LAND TO BE DISTURBED: <u>38</u> ACRES	
8. IS A DEPARTMENT OF NATURAL RESOURCES-APPROVED EROSION CONTROL PLAN OPERATIVE IN THE CITY OR THE UNINCORPORATED AREA OF THE COUNTY IN WHICH THE LAND DISTURBANCE IS OCCURRING?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, A LETTER OF APPROVAL OR A COPY OF A PERMIT FROM THE LOCAL AUTHORITY IS REQUIRED AND MUST BE ENCLOSED FOR THE PERMIT TO BE ISSUED. <input type="checkbox"/> PLEASE CHECK IF ENCLOSED
9. HAS A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BEEN DEVELOPED FOR THIS SITE? (THIS PLAN MUST BE DEVELOPED IN ACCORDANCE WITH REQUIREMENTS & GUIDELINES SPECIFIED WITHIN THE GENERAL PERMIT FOR STORM WATER DISCHARGES FROM LAND DISTURBANCE ACTIVITIES. THE APPLICATION WILL BE CONSIDERED INCOMPLETE IF THE SWPPP HAS NOT BEEN DEVELOPED. PLEASE DO NOT ENCLOSE A COPY OF THE PLAN. A COPY OF THE SWPPP MAY BE REQUESTED BY THE DEPARTMENT AT ANY TIME.)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
10. SUMMARIZE THE MEASURES (BEST MANAGEMENT PRACTICES) FROM THE SWPPP THAT WILL BE USED TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION.	<u>Construct silt fence at designated locations around construction site, install straw bales as shown on grading plan, modify bale locations as needed for newly graded areas.</u>
11. SUMMARIZE BEST MANAGEMENT PRACTICES FROM THE SWPPP THAT WILL REMAIN IN PLACE ONCE CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.	<u>Disturbed areas will be fertilized and seeded no later than 24 days after last construction activity. Straw mulch will be applied and tacked into place.</u>
12. DESCRIBE THE NATURE OF THE FILL MATERIAL	<u>Fill from existing grade only.</u>
13. ATTACH ANY EXISTING DATA CONCERNING SOIL AND/OR QUALITY OF THE DISCHARGE.	

14. ESTIMATE OF RUNOFF COEFFICIENT OF SITE <u>0.25</u>	
15. ESTIMATE OF INCREASE IN IMPERVIOUS AREA <u>+ 40 % of site will be covered with gravel</u>	
16. ESTIMATE OF RUNOFF COEFFICIENT UPON COMPLETION <u>0.43</u>	
17. IS THE LAND DISTURBANCE WITHIN 1,000 FEET OF: <input type="checkbox"/> WATER CLASSIFIED IN 10 CSR 20-7.031 WATER QUALITY STANDARDS AS A PUBLIC DRINKING WATER SUPPLY LAKE (L ₁), OUTSTANDING NATIONAL OR STATE RESOURCE WATERS, OR STREAMS DESIGNATED FOR COLD-WATER SPORT FISHERY; <input type="checkbox"/> STREAMS, LAKES, OR RESERVOIRS IDENTIFIED AS CRITICAL HABITAT FOR ENDANGERED SPECIES AS DETERMINED BY MISSOURI DEPARTMENT OF CONSERVATION AND U.S. FISH AND WILDLIFE SERVICE; OR <input type="checkbox"/> ANY LAKE IN THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S CLEAN LAKES PROGRAM? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
18. IS THE LAND DISTURBANCE WITHIN 100 FEET OF WATERS CLASSIFIED AS MAJOR RESERVOIRS (L ₂) OR PERMANENT FLOW STREAMS (P), EXCEPT THE MISSOURI AND MISSISSIPPI RIVERS, OR WITHIN TWO STREAM MILES UPSTREAM OF BIOCRITERIA REFERENCE LOCATIONS AS DEFINED IN 10 CSR 20, CHAPTER 7? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
19. IS ANY PART OF THE AREA THAT IS BEING DISTURBED DISCHARGING TO A JURISDICTIONAL WATER OF THE UNITED STATES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, HAVE YOU RECEIVED A CWA, SECTION 404 PERMIT FOR THIS SITE FROM THE UNITED STATES ARMY CORPS OF ENGINEERS? (THE PERMIT CANNOT BE ISSUED UNTIL THE SITE IS UNDER A 404 OR NATIONWIDE GENERAL PERMIT IF ONE IS REQUIRED.) <input type="checkbox"/> YES <input type="checkbox"/> NO	
20. DOES THE STORM WATER RUNOFF DISCHARGE TO A SINKHOLE, LOSING STREAM, OR ANY OTHER TOPOGRAPHICAL FEATURE THAT WOULD BE A DIRECT CONDUIT TO GROUND WATER? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
21. 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 AN APPLICANT UNDER THE MISSOURI CLEAN WATER LAW OF THE MISSOURI CLEAN WATER COMMISSION.	
NAME AND OFFICIAL TITLE	TELEPHONE NUMBER (AREA CODE AND NO.)
Glenn P. Keefe, Operating V.P. Missouri Electric	816-590-2891
SIGNATURE	DATE SIGNED
NOTE ► THIS FORM MUST BE SUBMITTED WITH THE PERMIT FEE (\$300), MAP, AND FORM E (APPLICATION FOR A GENERAL 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-R101xxx >

Owner: < name >
Address: < address >

Continuing Authority:
Address: < name, or Same as above >
< address, or Same as above >

Facility Name: < name >
Facility Address: < physical address >

Legal Description: ¼, ¼, ¼, Sec. xx, TxxN, RxxW, < county > County

Receiving Stream: < receiving stream > < (U, C, P, L1, L2, L3) >
First Classified Stream and ID: < 1st classified stream > < (U, C, P, L1, L2, L3) > < (ID number) >
USGS Basin & Sub-watershed No.: < (USGS HUC14 #) >

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

Issue Date

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

February 7, 2007

Expiration Date
MO 780-1481 (7-94)

Jim Hull, Director of Staff, Clean Water Commission

APPLICABILITY

1. This general permit authorizes the discharge of storm water and certain non-storm water discharges from land disturbance sites that disturb one (1) or more acres over the life of the project or which is part of a larger common plan of development or sale that will disturb one or more acres over the life of the project. This general permit also authorizes the discharge of storm water and certain non-storm water discharges from smaller projects where the department has exercised its discretion to require a permit [10 CSR 20-6.200 (1)(B)].

A Missouri State Operating Permit that specifically identifies the project must be issued before any site vegetation is removed or the site disturbed.

Any site owner/operator subject to these requirements for storm water discharges and who disturbs land prior to permit issuance from MDNR is in violation of both State and Federal laws.

2. This permit authorizes non-storm water discharges from the following activities provided that these discharges are addressed in the permittee's specific Storm Water Pollution Prevention Plan (SWPPP) required by this general permit:
 - a. De-watering activities if there are no contaminants other than sediment present in the discharge.
 - b. Flushing water hydrants and potable water lines,
 - c. Water only (i.e., without detergents or additives) rinsing of streets and buildings, and,
 - d. Site watering to establish vegetation.
3. This permit does not apply to storm water discharges within 1000 feet of:
 - a. Streams identified as a losing stream*,
 - b. Streams or lakes listed as an outstanding national or state resource water*,
 - c. Reservoirs or lakes used for public drinking water supplies (class L1)*, or
 - d. Streams, lakes or reservoirs identified as critical habitat for endangered species.
4. This permit does not apply to storm water discharges:
 - a. Within 100 feet of a permanent stream (class P) or major reservoir (class L2)*, or
 - b. Within two stream miles upstream of biocriteria reference locations*.
5. This permit does not apply to storm water discharges where:
 - a. Any of the disturbed area is defined as a wetland (Class W)*, or
 - b. The storm water discharges to a sinkhole or other direct conduit to groundwater.
6. This general permit does not authorize the placement of fill materials in flood plains, the obstruction of stream flow, directing storm waters across private property not owned or operated by the permittee, or changing the channel of a defined drainage course. This general permit is intended to address only the quality of the storm water runoff and minimize off-site migration of sediments and other water contaminants.
6. This general permit does not authorize any discharge to waters of the state of sewage, wastewaters, or pollutants such as:
 - a. Hazardous substances or petroleum products from an on-site spill or improper handling and disposal practices,
 - b. Wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks unless such discharges are adequately treated and addressed in the Storm Water Pollution Prevention Plan, or
 - c. Wastewater generated from air pollution control equipment or the containment of scrubber water in lined ponds, or
 - d. Domestic wastewaters, including gray waters.
- Identified or described in 10 CSR 20, Chapter 7. These regulations are available at many libraries and may be purchased from MDNR by calling the Water Pollution Control Program.

APPLICABILITY (continued)

8. MDNR reserves the right to deny coverage under this general permit to applicants for storm water discharges from land disturbance activities at sites that have contaminated soils that will be disturbed by the land disturbance activity or where such materials are brought to the site to use as fill or borrow. Such activities are normally covered by a site specific permit.
9. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner/operator of the permitted site to apply for a site specific permit, the department may require any person to obtain a site specific operating permit [10 CSR 20-6.010 (13) and 10 CSR 20-6.200(5)].

The department may require the permittee to apply for and obtain a site specific or different general permit if:

- a. The permittee is not in compliance with the conditions of this general permit;
- b. The discharge no longer qualifies for this general permit due to changed site conditions and regulations; or
- c. Information becomes available that indicates water quality standards have been or may be violated.

The permittee will be notified in writing of the need to apply for a site specific permit or a different general permit. When a site specific permit or different general permit is issued to the authorized permittee, the applicability of this general permit to the permittee is automatically terminated upon the effective date of the site specific or different general permit, whichever the case may be. The permittee shall submit the appropriate Forms to the department to terminate the permit that has been replaced.

10. Any owner/operator authorized by a general permit may request to be excluded from the coverage of the general permit and apply for a site specific permit [10 CSR 20-6.010 (13) and 10 CSR 20-6.200(5)].
11. This permit is not transferable to other owners or operators unless all of the conditions listed in the "Transfer of Ownership" section are met.

EXEMPTIONS FROM PERMIT REQUIREMENTS

1. Facilities that discharge all storm water runoff directly to a combined sewer system are exempt from storm water permit requirements.
2. Linear, strip or ribbon construction, or maintenance operations as identified in 10 CSR 20-6.200 (1)(B), where water quality standards are not exceeded.
3. Sites that disturb less than one acre of total land area that are not part of a common plan or sale and that do not cause any violations of water quality standards and are not otherwise designated by the department as requiring a permit.
4. Agricultural storm water discharges and irrigation return flows. For purposes of this permit, land disturbance activities from Animal Feeding Operations (AFO) are not considered an agricultural activity and therefore **not** included in this exemption.

REQUIREMENTS AND GUIDELINES

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. The discharge of storm water from these facilities shall not cause a violation of the state water quality standards, 10 CSR 20-7.031, which states, in part, that no water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - a. Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - b. Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - c. Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - d. Waters shall be free from substances or conditions in sufficient amounts to have a harmful effect on human, animal or aquatic life.
 - e. There shall be no significant human health hazard from incidental contact with the water;
 - f. There shall be no acute toxicity to livestock or wildlife watering;
 - g. Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - h. Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles, or equipment and solid waste as defined in Missouri's Solid Waste Law, Section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to Section 260.200-260.247.
2. Good housekeeping practices shall be maintained on the site to keep solid waste from entry into waters of the state.
3. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
4. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
5. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
6. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Sufficient practices of spill prevention, control, and/or management shall be provided to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.

REQUIREMENTS AND GUIDELINES (continued)

7. The primary requirement of this permit is the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP) that
 - a. Incorporates required practices identified below,
 - b. Incorporates erosion control practices specific to site conditions, and
 - c. Provides for maintenance and adherence to the plan.

For new applicants, before removing any site vegetation, disturbing earth, or submitting an application, the permittee shall develop a SWPPP that is specific to the land disturbance activities at the site. This plan must be developed before a permit can be issued and made available as specified under RECORDS. However, the plan should not be submitted to the department unless specifically requested.

The permittee shall fully implement the provisions of the SWPPP required under this part as a condition of this general permit throughout the term of the land disturbance project.

The purpose of the SWPPP is to ensure the design, implementation, management, and maintenance of Best Management Practices (BMPs) in order to reduce the amount of sediment and other pollutants in storm water discharges associated with the land disturbance activities; comply with the Missouri Water Quality Standards; and ensure compliance with the terms and conditions of this general permit.

The permittee shall select, install, use, operate, and maintain the BMPs in accordance with the concepts and methods described in the following documents:

- a. ***Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices***, (Document number EPA 832-R-92-005) published by the United States Environmental Protection Agency (USEPA) in 1992. **This manual is available at The USEPA internet site:**
http://cfpubl.epa.gov/npdcs/pubs.cfm?program_id=0 (searching under Publications/Policy and Guidance Documents).
- b. ***Protecting Water Quality: A field guide to erosion, sediment and storm water best management practices for development sites in Missouri***, published by the Missouri Department of Natural Resources in November 1995.

The permittee is not limited to the use of these guidance manuals. Other commonly accepted publications may be used for guidance and must be referenced in the SWPPP if used. In addition, the permittee is not limited to the use of BMP identified in these manuals. However, any alternative BMPs should be justified by site conditions and described in the SWPPP.

8. SWPPP Requirements: The following information and practices shall be provided for in the SWPPP.
 - a. **Site Description:** In order to identify the site, the SWPPP shall include the facility and outfall information provided in the Application Form. The SWPPP shall have sufficient information to be of practical use to contractors and site construction workers to guide the installation and maintenance of BMPs.
 - b. **Drainage areas:** The following guidelines are for protection of drainage areas and shall be addressed in the SWPPP.
 - i. Clearing and grubbing within 50 feet of a defined drainage course should be avoided.
 - ii. Where changes to defined drainage courses occur as part of the project, clearing and grubbing within 50 feet of the defined drainage course should be delayed until all materials and equipment necessary to protect and complete the drainage change are on site.
 - iii. Changes to defined drainage courses shall be completed as quickly as possible once the work has been initiated. The area impacted by the land disturbance of the drainage course change is to be revegetated or protected from erosion as soon as possible. Areas within 50 feet of defined drainage Ways should be recontoured as needed and revegetated, seeded, or otherwise protected within five (5) working days after grading has ceased.

REQUIREMENTS AND GUIDELINES (continued)

8. SWPPP Requirements (continued)

b. Drainage areas (continued)

- iv. Work in defined drainages or water courses may require a permit from the U.S. Army Corps of Engineers pursuant to Section 404 of the federal Clean Water Act.

c. Description of Best Management Practices: The SWPPP shall include a description of the BMPs that will be used at the site. The SWPPP shall provide the following general information for each BMP which will be used one or more times at the site:

- i. Physical description of the BMP,
- ii. Site and physical conditions that must be met for effective use of the BMP,
- iii. BMP installation/construction procedures, including typical drawings, and
- iv. Operation and maintenance procedures for the BMP.

The SWPPP shall provide the following information for each specific instance where a BMP is to be installed:

- i. Whether the BMP is temporary or permanent,
 - ii. Where, in relation to other site features, the BMP is to be located,
 - iii. When the BMP will be installed in relation to each phase of the land disturbance procedures to complete the project, and
 - iv. What site conditions must be met before removal of the BMP if the BMP is not a permanent BMP.
- d. Disturbed Areas: Slopes for disturbed areas must be defined in the SWPPP. Where soil disturbing activities cease in an area for more than 14 days, the disturbed areas shall be protected from erosion by stabilizing the area with mulch or other similarly effective erosion control BMPs. If the slope of the area is greater than 3:1 or if the slope is greater than 3% and greater than 150 feet in length, then the disturbed areas shall be protected from erosion by stabilizing the area with mulch or other similarly effective erosion control BMPs if activities cease for more than seven days. These requirements do not apply to the slopes of a sedimentation basin or the areas that clearly drain thereto.
- e. Installation: The permittee shall ensure the BMPs are properly installed at the locations and relative times specified in the SWPPP. Peripheral or border BMPs to control runoff from disturbed areas shall be installed or marked for preservation before general site clearing is started. Storm water discharges from disturbed areas, which leave the site, shall pass through an appropriate impediment to sediment movement, such as a sedimentation basin, sediment traps, silt fences, etc. prior to leaving the land disturbance site. Bench marks shall be referenced for proper installation and operation and maintenance of drainage course changes.
- f. Temporary and Permanent Non-Structural BMPs: The SWPPP shall require existing vegetation to be preserved where practical. The time period for disturbed areas to be without vegetative cover is to be minimized to the extent practical.

Examples of non-structural BMPs which the permittee should consider specifying in the SWPPP include: preservation of trees and mature vegetation, protection of existing vegetation for use as buffer strips (especially along drainage courses), mulching, sodding, temporary seeding, final seeding, geotextiles, stabilization of disturbed areas, preserving existing stream channels as overflow areas when channel straightening or shortening is allowed, soil stabilizing emulsions and tackifiers, mulch tackifiers, stabilized site entrances/exits, and other appropriate BMPs.

REQUIREMENTS AND GUIDELINES (continued)

8. SWPPP Requirements (continued)

- g. Temporary and Permanent Structural BMPs: Examples of structural BMPs that the permittee should consider specifying in the SWPPP include: diverting flows from undisturbed areas away from disturbed areas, silt (filter fabric or straw bale) fences, earthen diversion dikes, drainage swales, sediment traps, rock check dams, subsurface drains (to gather or transport water for surface discharge elsewhere), pipe slope drains (to carry concentrated flow down a slope face), level spreaders (to distribute concentrated flow into sheet flow), storm drain inlet protection and outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins, and other appropriate BMPs.
- h. Sedimentation Basins: The SWPPP shall require a sedimentation basin for each drainage area with 10 or more acres disturbed at one time. The sediment basin shall be sized to contain 0.5 inch of sediment from the drainage area and to be able to contain a 2-year, 24-hour storm. The sediment shall be cleaned out of the basin and otherwise maintained as needed until the drainage area is stabilized. This requirement does not apply to flows from areas where such flows are properly diverted around both the disturbed areas and the sediment basin. Discharges from the basin shall not cause scouring of the banks or bottom of the receiving stream.

Where use of a sediment basin of this size is impractical, the SWPPP shall evaluate and specify other similarly effective BMPs to be employed to control erosion and sediment delivery. The SWPPP shall require the basin be maintained until final stabilization of the area served by the basin.

The SWPPP shall require both temporary and permanent sedimentation basins to have a stabilized spillway to minimize the potential for erosion of the spillway or basin embankment.

- i. Additional Site Management BMPs: The SWPPP shall address other BMPs, as required by site activities, to prevent contamination of storm water runoff. Such BMPs include:
 - i. Solid and hazardous waste management including: providing trash containers and regular site clean up for proper disposal of solid waste such as scrap building material, product/material shipping waste, food containers, and cups; and providing containers and proper disposal of waste paints, solvents, and cleaning compounds, etc.;
 - ii. Provision of portable toilets for proper disposal of sanitary sewage;
 - iii. Storage of construction materials away from drainage courses and low areas; and
 - iv. Installation of containment berms and use of drip pans at petroleum product and liquid storage tanks and containers.
- j. Permanent Storm Water Management: The SWPPP shall include a description of the measures that will be installed during land disturbance to control pollutants in storm water discharges that will occur after land disturbance activity has been completed. These could include drainage channels or systems; outlet control devices, detention basins, oil water separators, catch basins, etc. This general permit does not require the permittee or the permittee's contractors to operate or maintain these measures beyond the date of MDNR's Letter of Termination.

- 9. Amending/Updating the SWPPP: The permittee shall amend and update the SWPPP as appropriate during the term of the land disturbance activity. The permittee shall amend the SWPPP, at a minimum, whenever the:
 - a. Design, operation, or maintenance of BMPs is changed;
 - b. Design of the construction project is changed that could significantly affect the quality of the storm water discharges;
 - c. Permittee's inspections indicate deficiencies in the SWPPP or any BMP;
 - d. MDNR notifies the permittee of deficiencies in the SWPPP;
 - e. SWPPP is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g., there is visual evidence, such as excessive site erosion or excessive sediment deposits in streams or lakes);
 - f. Total Settleable Solids from a storm water outfall exceed 2.5 ml/L/hr.; or
 - g. MDNR determines violations of Water Quality Standards may occur or have occurred.

REQUIREMENTS AND GUIDELINES (continued)

10. **Site Inspections Reports:** The permittee shall ensure the land disturbance site is inspected on a regular schedule and within a reasonable time period (not to exceed 72 hours) following heavy rains. Regularly scheduled inspections shall be at a minimum once per week. For disturbed areas that have not been finally stabilized, all installed BMPs and other pollution control measures shall be inspected for proper installation, operation and maintenance. Locations where storm water leaves the site shall be inspected for evidence of erosion or sediment deposition. Any deficiencies shall be noted in a weekly report of the inspection(s) and corrected within seven calendar days of the inspection report. The permittee shall promptly notify the site contractors responsible for operation and maintenance of BMPs of deficiencies.

A log of each inspection shall be kept. The inspection report is to include the following minimum information: inspector's name, date of inspection, observations relative to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, and listing of areas where land disturbance operations have permanently or temporarily stopped. The inspection report shall be signed by the permittee or by the person performing the inspection if duly authorized to do so.

11. **Proper Operation and Maintenance:** The permittee shall at all times maintain all pollution control measures and systems in good order to achieve compliance with the terms of this general permit.

The need to halt or reduce the permitted activity in order to maintain compliance with general permit conditions shall not be a defense to the permittee in an enforcement action.

12. **Notification to All Contractors:** The permittee shall notify each contractor or entity (including utility crews and city employees or their agents) who will perform work at the site of the existence of the SWPPP and what action or precautions shall be taken while on site to minimize the potential for erosion and the potential for damaging any BMP. If additional land is disturbed or any BMP damaged, then the permittee shall cause to have the disturbance or damage repaired.

OTHER DISCHARGES

1. **Hazardous Substance and Oil Spill Reporting:** Refer to Section B, #14 of Part I of the Standard Conditions that accompany this permit.
2. **Removed substances:** Refer to Section B, #6 of Part I of the Standard Conditions that accompany this permit.
3. **Change in discharge:** In the event soil contamination or hazardous substances are discovered at the site during land disturbance activities, the permittee shall notify MDNR in writing.

SAMPLING REQUIREMENTS AND EFFLUENT LIMITATIONS

1. Discharges shall not violate General Water Quality Standards 10 CSR 20-7.031(3).
Settleable Solids shall not exceed a maximum of 2.5 ml/L/hr. for each storm water outfall.
2. There are no regular sampling requirements in this permit. However, the department may require sampling and reporting as a result of illegal discharges, compliance issues, complaint investigations, or other such evidence of off-site contamination from activities at the site. If such an action is needed, the department will specify in writing any additional sampling requirements, including such information as location, extent, and parameters.

RECORDS

1. The permittee shall retain copies of this general permit, the SWPPP and all amendments for the site named in the State Operating Permit, results of any monitoring and analysis, and all site inspection records required by this general permit. The permittee shall retain these records at a site which is readily available from the permitted site until final stabilization of a site is achieved. The local office of the permittee, their contractor or consultant is considered to be readily available from the project site if it is located in the same county as the project site. The records shall be accessible during normal business hours. After final stabilization the records may be maintained at the location of the permittee's main office. The records shall be retained for a period of at least three years from the date of the Letter of Termination.
2. The permittee shall provide a copy of the SWPPP to MDNR, USEPA, or any local agency or government representative if they request a copy in the performance of their official duties.
3. The permittee shall provide those who are responsible for installation, operation, or maintenance of any BMP a copy of the SWPPP.
4. The permittee, their representative, and/or the contractor(s) responsible for installation, operation, and maintenance of the BMPs shall have a current copy of the SWPPP with them when on the project site.

TRANSFER OF OWNERSHIP

1. Individual Lot or Lots: Federal and Missouri storm water regulations (10 CSR 20-6.200) require a storm water permit and erosion control for one acre or more disturbed as part of a common plan or sale. When individual lots (commercial, industrial, or residential) are sold to an entity for construction (unless sold to an individual for purposes of building their own private residence) are also subject to storm water regulations because they are part of the common sale.

The existing permittee who intends to transfer ownership of a lot or parcel of the overall permitted area is still responsible for the terms of this permit and erosion control on that site unless the new owner applies for and receives a separate Missouri State Operating Permit for storm water discharges from land disturbance activities. If the current permittee is to retain the permit and responsibility for control of sediment and other pollutants at the site, then the owner should obtain a copy of an Individual Lot Certification (ILC) from the lot owner(s). The ILC should be properly completed and signed and retained with the SWPPP.

2. Entire Tract: If the entire tract is sold to a single entity, then this permit shall be terminated and the new owner shall submit an application for a new permit immediately.

TERMINATION

This permit may be terminated when the project is stabilized. The project is considered to be stabilized when either perennial vegetation, pavement, buildings, or structures using permanent materials cover all areas that have been disturbed. With respect to areas that have been vegetated, vegetative cover shall be at least 70% of fully established plant density over 100% of the disturbed area.

In order to terminate the permit, the permittee shall notify MDNR by submitting Form H, included with the State Operating Permit. The permittee shall complete Form H and mail it to MDNR at the address noted in the cover letter of this permit.

This general permit will expire five years from the effective date of the permit (see page 1). The issue date is the date the State Operating Permit is issued to the applicant. The expiration date may or may not coincide with the date the authorized project or development is scheduled for completion.

TERMINATION (continued)

If the project or development completion date will be after the expiration date of this general permit, then the permittee must reapply to the department for the permit to be re-issued. The permittee will receive notification of the expiration date of the permit before the expiration date listed on page 1 of this permit. In order for the permit to be re-issued, the permittee should submit the appropriate application form(s) at least 180 days before the expiration of the permit if land disturbance activity is expected to continue past the expiration date of this general permit.

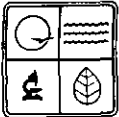
If the permittee does not apply for the renewal of this permit, this permit will automatically terminate on the expiration date. Continued discharges from a site that has not been fully stabilized are prohibited beyond the expiration date; unless the permit is reissued or the permittee has filed a timely application for the reissuance of this permit.

DUTY TO COMPLY

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

MAILING ADDRESS

The permittee shall send all written correspondence and forms, which are to be submitted to MDNR to the address listed in the cover letter that accompanies this permit.



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

FORM H - REQUEST FOR TERMINATION OF A GENERAL PERMIT

UNDER MISSOURI CLEAN WATER LAW

1.00 TYPE OF GENERAL PERMIT REQUESTED TO BE TERMINATED

1.10 PERMIT NUMBER

MO —

2.00 FACILITY

NAME

COUNTY

ADDRESS

CITY

STATE

ZIP CODE

3.00 OWNER

NAME

PHONE

FAX

ADDRESS

CITY

STATE

ZIP

4.00 CONTINUING AUTHORITY

NAME

PHONE

FAX

ADDRESS

CITY

STATE

ZIP

5.00 REASON FOR TERMINATION REQUEST: (CHECK ONE)

- ☐ For land disturbance sites, area is stabilized by seeding, mulching, sodding, paving, or other means, no further land disturbance activities are planned, all building construction (commercial or residential) is completed, and construction equipment removed.
- ☐ For industrial facilities, site activities have ceased and site closed and no significant materials remain exposed to storm water.
- ☐ For any type of site, a site specific permit was obtained.
- ☐ Other reason (specify) _____

6.00 I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THE TERMINATION REQUEST, THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF SUCH INFORMATION IS TRUE, COMPLETE AND ACCURATE.

NAME AND OFFICIAL TITLE (TYPE OR PRINT)

TELEPHONE NO.

()

(AREA CODE)

SIGNATURE

DATE SIGNED

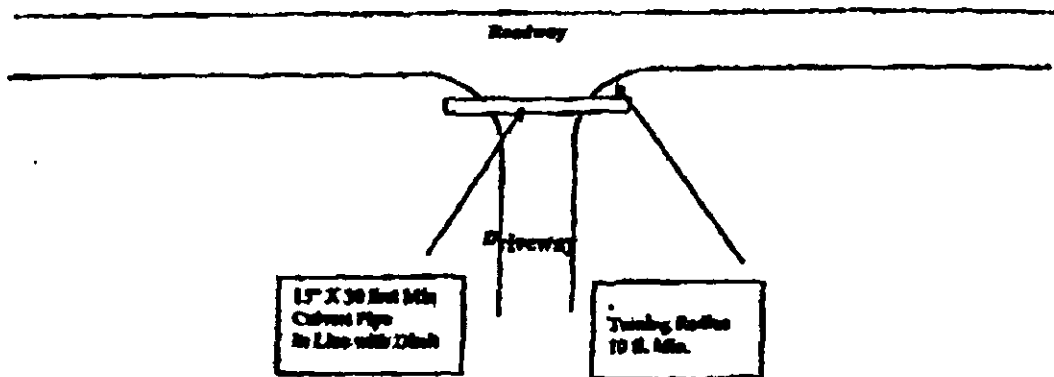
3.1.3 National Pollution Discharge Elimination System (NPDES)
Missouri Land Irrigation Permit

A National Pollution Elimination System (NPDES) Missouri Land Irrigation Permit Application to irrigate with the generated wastewater is currently being prepared. Once it has been completed it will be submitted to the Missouri Department of Natural Resources (MDNR) for review and approval. A Geohydrologic Evaluation of the site was performed by MDNR on March 22, 2005 and Aquila is currently (as of March 25) waiting for their report.

3.1.4 National Pollution Discharge Elimination System (NPDES)
Missouri Hydrostatic Testing Discharge Permit

Aquila is currently evaluating the proposed testing procedures of equipment to determine if a National Pollution Elimination System (NPDES) Missouri Hydrostatic Testing Discharge Permit will be required from the Missouri Department of Natural Resources.

3.1.5 Cass County Road and Bridge Driveway Permit



ROAD & BRIDGE DRIVEWAY PERMIT

Name Aquila Inc. South Harper Peaking Facility

Address 24400 South Harper Road

City Cass County, MO 64078-9008

Phone 816/737-7854

Date requested _____

Owner Signature [Signature]

Safety Issues/ Site Distance OK

Approval [Signature]

Robert Leeper, Superintendent Cass County

Date Installed _____

Permit Fee \$25.00

File in R & B

TREASURER'S OFFICE

No 10952

Cass County, Missouri

Harrisonville, MO 64701

12-2 2004

Received of R+B (Sega)

the sum of 25.00 Dollars

ON ACCOUNT OF (Culvert)

R+B

\$ 25.00

B. RC
COUNTY TREASURER

061406

DATE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
11/29/2004	ENTRENCE FEE	11/29/2004	25.00	25.00	0.00	25.00

SEGA INC. STILWELL, KS 66085-1000

3.1.6 Cass County Building Permits



**COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT**

102 East Wall Street
Phone: (816) 380-8134

Harrisonville, MO 64701
Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO 25012

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

Project Control No: 250109

Date Permit Issued: 1/19/2005

Application Date: 1/14/2005

JOB ADDRESS: 24400 S Harper Rd Post Office: Peculiar

32145/32 S/T/R QTR-QTR SEC PARCEL NO LOT BLOCK SUB DIVISION

Project Name:

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

Applicant ID:

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

to B Brown 8131 Indiana Ave Kansas City Mo 64132

APPLICANT NAME ADDRESS CITY STATE ZIP CODE

Phone: 816-383-6530 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: -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, waive 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 abandoned 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

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

APPLICANT SIGNATURE

DATE

FOR THE CHIEF BUILDING OFFICIAL

1/19/2005
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 25013

Project Control No: 250110

Date Permit Issued: 1/19/2005

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

Application Date: 1/14/2005

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

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

Project Name:

Use Of Building: Temp Work Enclosure **Use Code:** 512

Applicant ID:

Applicant Person or Firm: Kestick Construction Co Inc **Applicant Code:** 2

A B Brown 8131 Indiana Ave Kansas City Mo 64132

APPLICANT NAME ADDRESS CITY STATE ZIP CODE

Phone: 816-383-5530 **Fax:** **Mobile:** 816-580-7424 **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:

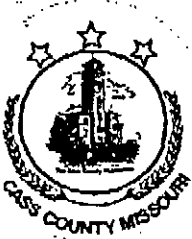
This permit is being issued despite the fact this site has not been zoned in a manner consistent with the activities anticipated for the site. The County does not by issuing this permit, waive its right to enforce its requirement that building permits cannot be issued in the absence of proper zoning. 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 abandoned 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 830-8300 about driveway approach requirements.

FOR INSPECTIONS CALL 380-8134
APPLICANT SIGNATURE **DATE** 1/19/05
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

1012 East Wall Street

Harrisonville, MO 64701

Phone: (816) 380-8134

Fax: (816) 380-8130

CONSTRUCTION PERMIT

PERMIT NO. **25072**Project Control No: **250206**Date Permit Issued: **3/21/05**

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

Application Date: **2/7/05**JOB ADDRESS: **24400 S Harper Rd** Post Office: **Peculiar**
32/45/32 **QTR-QTR SEC** **PARCEL NO** **LOT** **BLOCK** **SUB DIVISION**
S / T / R

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

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 submitted 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, waive 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 abandoned 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

PERMISSION FOR ABOVE DESCRIBED WORK IS HEREBY GRANTED

[Signature]
APPLICANT SIGNATURE

3/21/2005
DATE

[Signature]
FOR THE CHIEF BUILDING OFFICIAL

3/21/05
DATE

CASS COUNTY, MISSOURI PLANNING, ZONING AND BUILDING CODES DEPARTMENT

"Planning and Building for Cass County's Future into the next Millenium"

Control No: 250206PERMIT NO: 25072Address: 24400 S HARPER RD.

Required Inspections

Yes/ No	Type Of Inspection	Comments
	Footings	
	Foundation Walls	
YES	Underslab Mechanical (includes plumbing, electrical and mechanical)	
YES	Structural Slab	
YES	Building Rough In	
YES	Electrical Rough In	
YES	Plumbing Rough In	
YES	Mechanical Rough In	
YES	Electrical Service	
YES	Gas Piping Inspection and Test	
YES	Outside Underground Electrical	
YES	Health Department Septic System	
	Zoning	
YES	Final	
YES	SPECIAL INSPECT. HAS.	INSPECTIONS AS NOTED ON REVIEW

The above-specified inspections are required. It is the responsibility of the permit holder to request inspections when work is ready for inspection. Call 380-8134 between 8:00 am and 4:30 pm to make a request for inspection. The permit number and address is required when an inspection request is being made.

Work must be ready for inspection when the request is made. Please read handout regarding inspections requests, and inspection procedures for detailed requirements.


 Permit Holder Signature:

 Date: 3/21/2005

The Cass County Building Codes Department
102 E Wall Street
Harrisonville, MO 64701
(816) 380-8134 Fax (816) 380-8130

03/12/05

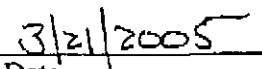
Plan review comments for application # 250206

1. Stairway and handrail/guardrail drawing provided by SEGA do not match the engineered steel erection drawings. Provide a letter David E. Williams PE stating that your design meets his approval in conjunction with his design.
2. As a note shall provide special inspections as per chapter 17 of the 2000 IBC.
3. Please provide the specs for the spray on fire sealants. As they are listed to be 2 hour on drawing SB-A101 Rev #2 notes #12 and 34.
4. Please provide the requested changes as per the engineered letter from FSC dated 02/11/05. Then provide the revised drawings to our office and to the fire district.
5. A third party engineer shall approve sprinkler system. Have questions with all of the additional items noted with the piping and head layout.
6. When will we receive the engineered fire alarm design?
7. Construction contract No. 201 manual section 02538 subsection (1.6) page 2 should read Cass County not the city of Peculiar.
8. Who is the construction Inspector as noted in Appendix C of the SWPPP, part 3.0 section 3.2? Have they prepared the Inspection forms as per section 3.2?
9. As indicated in the construction contract No.201 manual all as built drawings shall be sealed by a Missouri engineer and provided and also provided to the county.
10. As noted on drawing SB-A100 REV. #2, there shall not be more than the allotted amount of hazardous material in the storage area as per the IBC 2000.
11. Shall provide third party engineers approval for fire dampers, fire barriers, sprinkler system, and fire detection systems.

12. Will require all inspections as per the 2000 IBC section 109, section 107 of the 2000 International Plumbing Code, section 107 of the 2000 International Mechanical Code, the 2000 International Fire Code and the 1996 National Electric Code.
13. Any and all deferred submittals will require review. Items shall not be concealed until inspection is approved.
14. Inspections other than concrete are preformed the next day after calling for them. The permit # will be required when requesting an inspection.
15. Concrete inspections will be preformed the same day with in two hours after the time they are requested if they are requested before 2 P.M. Must have approved engineer's approval from the geotechnical investigation before pour and after excavation.



Permit Holder



Date

The Cass County Building Codes Department
102 E Wall Street
Harrisonville, MO 64701
(816) 380-8134

03/16/2005

Control # 250206

Address: 24400 S Harper Rd.

Commercial permit fee for construction of non-metering, non-generation, non-transmission, non-distribution and the construction of a service building.

Company: Aquila Inc.

Provided Valuation: \$5,381,000.00

As per table 1-A-2 of the Cass County Building code.

\$5,608.75 for the first \$1,000,000.00 plus \$3.65 for each additional \$1,000.00 or fraction thereof.

\$5,381,000.00	
- <u>\$1,000,000.00</u>	
\$ 4,381,000 = 4381	
	<u>X 3.65</u>
	\$ 15990.65
\$ 5,608.75	
+ <u>\$15,990.65</u>	
<u>\$21,599.40 = \$21,600.00 Permit Fee</u>	
	+ \$600.00 Plan Review Fee 12 hours
	<u>\$22,200.00 Permit Fee Due</u>

C A S S C O U N T Y
9 - 1 - 1 C O O R D I N A T O R

Doreen Draper
102 East Wall Street, Harrisonville, Missouri 64701
Phone (816) 380-8223 Fax (816) 380-8186

October 13, 2004

Aquila Networks
Attn: Terry Hedrick Project Manager
10700 East 350 Highway
Kansas City, MO 64138
Re: South Harper Peaking Facility

To Whom It May Concern,

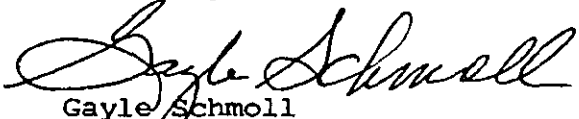
By authority of Cass County Ordinance #02-94, your permanent physical address for your new construction has been assigned as follows:

24400 S HARPER RD
PECULIAR, MO 64078

Prior to notifying all your correspondents of your new address, you will need to contact the Post Master for your delivery area. The Post Master will advise you where to place your mail box. If the Post Master advises you to place your mail box at a location other than the entrance to your property, you also "MUST POST YOUR ADDRESS AT THE PROPERTY ENTRANCE AND/OR TO HOUSES/BUILDINGS, POSITIONED AT A LOCATION THAT PROVIDES UNOBSTRUCTED SIGHTING FROM THE ROAD ON WHICH IT IS LOCATED. THE NUMBERS MUST BE NO LESS THAN FOUR INCHES (4") IN HEIGHT. ALL OTHER NUMBERS ARE PROHIBITED." These requirements are according to Cass County Ordinance #02-94. I also suggest that the numbers be posted on both sides of your mail box or posted so your address can be seen by the emergency vehicles responding from any direction. This will assist in avoiding delays in emergency vehicle response time.

If you have any questions or concerns, please feel free to contact me at the above address or phone number. Thank you for your cooperation.

Sincerely,



Gayle Schmoll
Addressing Assistant
c. United States Postal Service

OCT 15 2004



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

Log No. 250110
Project Address 24400 S Harper Rd
City, State, Zip Peculiar, MO
Plan Reviewer TL
Plan Review Date 01/19/2005

The following comments are based upon requirements of the Cass County Building Code and adopted codes.

1st Review Comments:

1. 911 Address shall be posted using minimum 4inch numerals and shall be legible from the road. If address is not posted at time of inspection, inspection will not be performed.
2. Your fire protection district, water provider, Missouri Department of Transportation or others may require permits.
3. Shall provide the original stamped drawing for the trusses indicating any and all comments from the engineer of record.
4. Shall brace trusses as per engineered truss design.
5. Work enclosure shall be installed as per engineered design.
6. Electrical for the temporary work enclosure is not included in any of the drawings provided. Shall provide sealed electrical plans for review prior to requesting any inspections.
7. Required inspections are as follows, Provide an approved letter from the engineer of required stating structure is installed as per engineered design. Request a full rough in inspection when the electrical and framing are roughed in. Call for a final inspection when the electrical is complete.


Permit Holder Signature:


Date






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

Log No. 250109
Project Address 24400 S Harper Rd
City, State, Zip Peculiar, MO
Plan Reviewer TL
Plan Review Date 01/18/2005

The following comments are based upon requirements of the Cass County Building Code and adopted codes

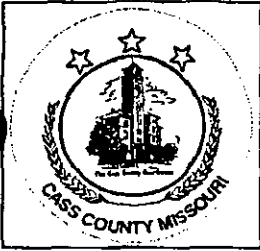
Plan Review Comments:

1. 911 Address shall be posted using minimum 4 inch numerals and shall be legible from the road. If address is not posted at time of inspection, inspection will not be performed.
2. Your fire protection district, water provider, Missouri Department of Transportation or others may require permits.
3. Provide the ratings for each disconnecting means for the job trailers. This may be a panel layout.
4. The provided drawing does not show the design for the temporary work enclosure
5. Note the type of the panel serving the job trailers. The rest are NEMA 3R s .
6. The notes on the drawing state that the minimum burial depth is 24" below grade. At this time the conduit serving the job trailers is above grade. Are you going to provide protection for this or are you going to put it below grade?
7. All grounding connections shall be exposed for inspection.
8. The required inspections for this permit are as follows. Provide an Electrical Engineers approval for the system as per the submitted design in letter form and request an Service inspection from our office when ready.


Permit Holder Signature:

Pete B. Brown


Date

**COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT**102 East Wall Street
Phone: (816) 380-8131Harrisonville, MO 64701
Fax: (816) 380-8130**PERMIT APPLICATION**

Application Control No: 241217

Date of Application: 12/14/04

Job Address: 24400 S Harper Rd Post Office: Peculiar

32/45/32
Sec/Twp/Rng: Lot: Block: Subdivision:Fire Protection District: #1 Water District: #7 School District: R-2 Fuel Gas Source: Natural
Electrical Utility: OV Electrical Service Rating: 600 Property Area: 78 acresApplicant: Aquila, Inc.
Name: Terry Hedrick Applicant Code: 02
Address: 10700 East 350 Highway
City: Kansas City State: MO Zip: 64138
Phone: 816-737-7854 Mobile: 816-590-5489
Fax: Alternate Phone:
Applicants Interest: Builder

Use Of Building: Temp Non Residential Service

Discription of Work:

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

Scope of Work Covered by Permit Will Include: ☒ Electrical ☐ Plumbing ☐ Mechanical ☒ Electrical Service
☐ Gas Piping Other Specify: Other Specify:

Other permits related to this project

Health Department Permit No: Permit: Permit: Permit:

Application Fee Redept No: 241217
Application Fee Collected By: mb

Permit Application Fee: Paid \$50.00

I acknowledge that the information, plans and specifications and other information that has been submitted as part of this application are true and correct, and accurately represent the scope of work for which application for a building permit is being made. I understand that if any changes are made to the project, revised plans and/or specifications may be required to be submitted to the building codes department and that an additional application fee or plan review fee may be required. I understand that the application fee which has been paid will be applied to the building permit fee but will not be refunded after the plans and specifications which have been submitted have been reviewed for issuance of a building permit.

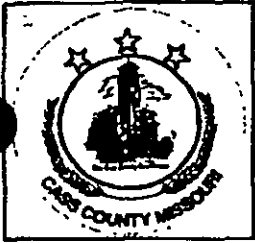
This application expired in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

APPLICANT SIGNATURE

DATE

FOR THE CHIEF BUILDING OFFICIAL

DATE



COUNTY OF CASS COUNTY, MISSOURI

BUILDING CODES DEPARTMENT

102 East Wall Street

Harrisonville, MO 64701

Phone: (816) 380-8131

Fax: (816) 380-8130

PERMIT APPLICATION

Application Control No: 241217

Date of Application: 12/14/04

Job Address: 24400 S Harper Rd Post Office: Peculiar

32/45/32

Sec/Twp/Rng: Lot: Block: Subdivision:

Fire Protection District: #1 Water District: #7 School District: R-2 Fuel Gas Source: Natural

Electrical Utility: OV Electrical Service Rating: 600 Property Area: 78 acres

Applicant: Aquila, Inc.
Name: Terry Hedrick Applicant Code: 02
Address: 10700 East 350 Highway
City: Kansas City State: MO Zip: 64138
Phone: 816-737-7854 Mobile: 816-590-5489
Fax: Alternate Phone:
Applicants Interest: Builder

Use Of Building: Temp Non Residential Service

Description of Work:

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

Scope of Work Covered by Permit Will Include: ☒ Electrical ☐ Plumbing ☐ Mechanical ☒ Electrical Service
☐ Gas Piping Other Specify: Other Specify:

Other permits related to this project

Health Department Permit No: Permit: Permit: Permit:

Application Fee Receipt No: 241217

Application Fee Collected By: mb

Permit Application Fee: Paid \$50.00

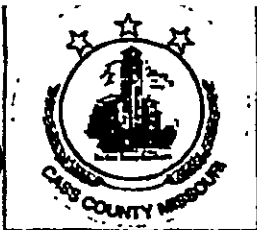
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This application expires in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

[Signature]
APPLICANT SIGNATURE

12-14-04
DATE

[Signature] 12/14/04
FOR THE CHIEF BUILDING OFFICIAL DATE



COUNTY OF CASS COUNTY, MISSOURI

BUILDING CODES DEPARTMENT

102 East Wall Street
Phone: (816) 380-8134

Harrisonville, MO 64701
Fax: (816) 380-8130

PERMIT APPLICATION

Application Control No: 250110

Date of Application: 1/14/05

Job Address: 24400 S Harper Rd Post Office: Peculiar

32/45/32
Sec/Twp/Rng: Lot: Block: Subdivision:

Fire Protection District: 1 Water District: 7 School District: R2 Fuel Gas Source: Nat
Electrical Utility: OSV Electrical Service Rating: Property Area: 78 acres

Applicant: Kissick Construction Co Inc
Name: Pete B Brown Applicant Code: 2
Address: 8131 Indiana Ave
City: Kansas City State: Mo Zip: 64132
Phone: 816-363-5530 Mobile: 816-560-7424
Fax: Alternate Phone:
Applicants Interest: Builder

Use Of Building: Temp Work Enclosure

Description of Work:

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

Scope of Work Covered by Permit Will Include: ☒ Electrical ☒ Plumbing ☒ Mechanical ☒ Electrical Service
☐ Gas Piping Other Specify: Other Specify:

Other permits related to this project

Health Department Permit No: NA Permit: Permit: Permit:

Application Fee Receipt No: 250110
Application Fee Collected By: SC

Permit Application Fee: Paid \$50.00

I acknowledge that the information, plans and specifications and other information that has been submitted as part of this application are true and correct, and accurately represent the scope of work for which application for a building permit is being made. I understand that if any changes are made to the project, revised plans and/or specifications may be required to be submitted to the building codes department and that an additional application fee or plan review fee may be required. I understand that the application fee which has been paid will be applied to the building permit fee but will not be refunded after the plans and specifications which have been submitted have been reviewed for issuance of a building permit.

This application expired in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

APPLICANT SIGNATURE

DATE

FOR THE CHIEF BUILDING OFFICIAL

DATE



COUNTY OF CASS COUNTY, MISSOURI

BUILDING CODES DEPARTMENT

102 East Wall Street
Phone: (816) 380-8134

Hannouville, MO 64701
Fax: (816) 380-8130

PERMIT APPLICATION

Application Control No: 250109

Date of Application: 1/14/05

Job Address: 24400 S Harner Rd Post Office: Peculiar

32/45/32
Sec/Twp/Rng: Lot: Block: Subdivision:

Fire Protection District: 1 Water District: 7 School District: R2 Fuel Gas Source: Nat
Electrical Utility: OSV Electrical Service Rating: 600 amp Property Area: 78 acres

Applicant: Kissick Construction Company
Name: Pete B Brown Applicant Code: 2
Address: 8131 Indiana Ave
City: Kansas City State: Mo Zip: 64132
Phone: 816-363-5530 Mobile: 816-560-7424
Fax: Alternate Phone:
Applicants Interest: Builder

Use Of Building: Temp Non Residential Service

Description of Work:

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

Scope of Work Covered by Permit Will Include: ☒ Electrical ☒ Plumbing ☒ Mechanical ☒ Electrical Service
☒ Gas Piping Other Specify: Other Specify:

Other permits related to this project

Health Department Permit No: NA Permit: Permit: Permit:

Application Fee Receipt No: 250109
Application Fee Collected By: SC

Permit Application Fee: Paid \$50.00

I acknowledge that the information, plans and specifications and other information that has been submitted as part of this application are true and correct, and accurately represent the scope of work for which application for a building permit is being made. I understand that if any changes are made to the project, revised plans and/or specifications may be required to be submitted to the building codes department and that an additional application fee or plan review fee may be required. I understand that the application fee which has been paid will be applied to the building permit fee but will not be refunded after the plans and specifications which have been submitted have been reviewed for issuance of a building permit.

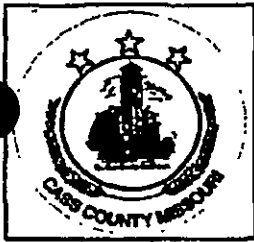
This application expires in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

APPLICANT SIGNATURE

DATE

FOR THE CHIEF BUILDING OFFICIAL

DATE



COUNTY OF CASS COUNTY, MISSOURI
BUILDING CODES DEPARTMENT

102 East Wall Street Harrisonville, MO 64701
Phone: (816) 380-8131 Fax: (816) 380-8130

PERMIT APPLICATION

Application Control No: 241206 Date of Application: 12/3/04

Job Address: 24400 S Harper Rd Post Office: Peculiar

32/45/32
Sec/Twp/Rng: Lot: Block: Subdivision:

Fire Protection District: #1 Water District: #7 School District: R-2 Fuel Gas Source: Natural
Electrical Utility: OV Electrical Service Rating: 600 Property Area: 78 acres

Applicant: Aquila, Inc.
Name: Terry Hedrick Applicant Code: 02
Address: 10700 East 350 Highway
City: Kansas City State: MO Zip: 64138
Phone: 816-737-7854 Mobile: 816-807-3415
Fax: Alternate Phone:
Applicants Interest: Builder

Use Of Building: Power Plant

Description of Work:
To construct a Power Plant as per submitted plans and all applicable building codes and county ordinances.

Scope of Work Covered by Permit Will Include: ☒ Electrical ☒ Plumbing ☒ Mechanical ☒ Electrical Service
☒ Gas Piping Other Specify: Other Specify:

Other permits related to this project
with Department Permit No: Permit: Permit: Permit:

Application Fee Receipt No: 241206
Application Fee Collected By: mb Permit Application Fee Paid: \$50.00

I acknowledge that the information, plans and specifications and other information that has been submitted as part of this application are true and correct, and accurately represent the scope of work for which application for a building permit is being made. I understand that if any changes are made to the project, revised plans and/or specifications may be required to be submitted to the building codes department and that an additional application fee or plan review fee may be required. I understand that the application fee which has been paid will be applied to the building permit fee but will not be refunded after the plans and specifications which have been submitted have been reviewed for issuance of a building permit.

This application expires in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

Terry S. Hedrick 12/3/04
APPLICANT SIGNATURE DATE
Tracy 12/3/04
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

Harrisonville, MO 64701
Fax: (816) 380-8130

PERMIT APPLICATION

Application Control No: 250102

Date of Application: 1/4/05

Job Address: 24400 S Harper Rd Post Office: Peculiar

32/45/32
Sec/Twp/Rng: Lot: Block: Subdivision:Fire Protection District: #1 Water District: #7 School District: R-2 Fuel Gas Source: Natural
Electrical Utility: OV Electrical Service Rating: 600 Property Area: 78 acres

Applicant: Vaughan Mechanical, Inc.
Name: Richard Vaughan Applicant Code: 02
Address: 4220 NE 34th Street
City: Kansas City State: MO Zip: 64117
Phone: 816-453-3400 Mobile: 816-985-1049
Fax: Alternate Phone:
Applicant's Interest: Builder

Use Of Building: Temp Non Residential Service

Description of Work

To setup temporary power at job site as per all applicable building codes and county ordinances.
This is for one site trailer

Scope of Work Covered by Permit Will Include: ☒ Electrical ☐ Plumbing ☐ Mechanical ☒ Electrical Service
☐ Gas Piping Other Specify: Other Specify:

Other permits related to this project

Health Department Permit No: Permit: Permit: Permit:

Application Fee Receipt No: 250102
Application Fee Collected By: mb

Permit Application Fee Paid: \$50.00

I acknowledge that the information, plans and specifications and other information that has been submitted as part of this application are true and correct, and accurately represent the scope of work for which application for a building permit is being made. I understand that if any changes are made to the project, revised plans and/or specifications may be required to be submitted to the building codes department and that an additional application fee or plan review fee may be required. I understand that the application fee which has been paid will be applied to the building permit fee but will not be refunded after the plans and specifications which have been submitted have been reviewed for issuance of a building permit.

This application expires in 180 days from the date that the application was made unless a permit is issued pursuant to this application.

APPLICANT SIGNATURE

DATE

FOR THE CHIEF BUILDING OFFICIAL

DATE

**3.1.7 Cass County Health Department On-Site Sewage
Disposal System Construction Permit**



CASS COUNTY HEALTH DEPARTMENT
ON-SITE SEWAGE DISPOSAL SYSTEM
CONSTRUCTION PERMIT APPLICATION
300 S. Main, Harrisonville, Mo 64701
316-330-3426

CCAD use only		
APPROVED	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date 2/24/05
Permit Number		05-018
Date Issued	Date permit fee \$200 paid	
2/24/05	2/24/05	
Expiration Date		
8/24/05		
EPHS Signature		Date
Wayne Offay		2/24/05

1. Property Owner Name

Aquila Inc. c/o Mr. Terry Hedrick

2. 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.

Mailing Address (if different from above)

Attn: Terry Hedrick

10700 E. 350 Highway

Day phone number

(816) 737-7854

Night phone number

()

City State Zip Code
Kansas City MO 64138

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

5. System Serves Residence ☐ Business ☒

Single Family <input type="checkbox"/>	No. Bedrooms	Whirlpool Bath <input type="checkbox"/>	Food Service <input type="checkbox"/>	Daily Sewage Flow (gallons per day)
Multi-Family <input checked="" type="checkbox"/>	Laundry Facility	Garbage Disposal <input type="checkbox"/>	Lodging <input type="checkbox"/>	
		Dishwasher <input type="checkbox"/>	Other (specify) <input type="checkbox"/>	

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 Slope Indicate direction of slope on Site Plan
78 3% North to South

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

Percolation Test Percolation Rate (min/inch)

Soil Morphology ☒ Soil Type Not Suitable

Soil Texture

% Clay

Application Rate

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.

Rock and Pipe System
Graveless Chamber System
Low Pressure Pipe System
Graveless Pipe System
Drip Irrigation System

60-120 min.in

Engineered conventional systems
based on 600 square feet per bedroom
per day.
Low Pressure Pipe System
Drip Irrigation System

120 min.in or above

Waste Stabilization Pond
Drip Irrigation System

B. ☒ Sewage Tank Holding Tank

Absorption Field

Manufacturer: _____

Type Construction: _____

Serial Dist. (Land Block) ☐Flat Lot Layout ☐Liquid Capacity: 600 gal. ☒ GPD

Material Concrete

Total Absorption Area

No. of Trenches

Septic ☐

Trench Width

Trench Depth

Asphalt ☐

NSF Class I

Y ☐N ☐

Distances from Well

House

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

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

Pond Seal

Lagoons will not be allowed in front yards.

Dimensions

Length x width or diameter

40' x 40'

Native soil ☒Artificial Liner ☐Bentonite Clay ☐Clay from another source ☐Total Water Surface Area
Square feet

Type of equipment used to compact soil:

Working Depth 4'

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/Agent

Date

L.C. Muth

2/24/2005

CASH USE ONLY

Conservation Inspection Approval

Pump Tank Inspection

Lagoon Fence Inspection

Date

EPHS Initial

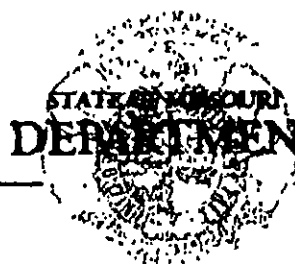
Date

EPHS Initial

Date

EPHS Initial

Cass County



Matt Blunt, Governor • Doyle Childers, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

February 17, 2005

Cass County Health Department
Attn: Wayne Tiffany
300 S. Main
Harrisonville, MO 64701

Dear Mr. Tiffany:

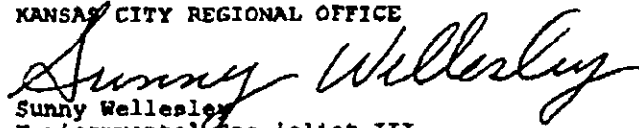
This letter is in regard to our telephone conversation on February 17, 2005. Chris Rogers of Segs, Inc. has proposed the construction of a no-discharge one-cell lagoon.

The no-discharge treatment system cannot discharge to the waters of the state and the flows are to be 3,000 gallons per day or less. The Cass County Department of Health will have jurisdictional responsibility over the construction, therefore it has been determined that construction and operating permits from the Department of Natural Resources are not needed. The lagoon must be designed and constructed according to the rules and regulations established by the Cass County Department of Health.

If you have any questions or comments, please feel free to me at (816) 622-7026.

Sincerely,

KANSAS CITY REGIONAL OFFICE


Sunny Wellesley
Environmental Specialist III

SW/

cc: Chris Rogers, Segs, Inc.

Cass County
WP General


Recycled Paper

TOTAL P.02

3.1.8 Grading Permit

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
Stillwell, 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

3.1.9 West Peculiar Fire Protection District Approval



West Peculiar Fire Protection District

James D. Toone
Fire Chief

200 South Main
Peculiar, MO 64078
(816) 779-5766
(816) 758-7423 (Fax)

Aquila Networks
Mr. Terry Hedrick-Harper Peaking Facility Project Manager
10700 East 350 Hwy
PO Box 11739
Kansas City, MO 64138

November 2, 2004

Dear Mr. Hedrick,

We are pleased to have the opportunity to provide fire service to your proposed project at 24400 South Harper Road in Peculiar, Missouri. We support the proposed water line additions, which aids in firefighting capability for all of our citizens.

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 fire hydrants to the area, which could also lower some homeowner's insurance rates. Costs for these improvement upgrades would be borne by Aquila.

We support the opportunity Aquila brings to enhance and improve the firefighting water supply system, which will improve residential fire protection and provide improvements for our citizens who reside in the PWSD #7 area. This also provides backup contingency for Aquila.

We are pleased that Aquila has selected a development site in our fire district and will meet your firefighting needs, should they arise, to the best of our capability.

If you should have any questions, please do not hesitate to contact the Fire Chief.

Respectfully,

Sue Wheeler, President
Board of Directors

James Toone
Fire Chief

B-_____

WEST PECULIAR FIRE PROTECTION DISTRICT FIRE
NON-RESIDENTIAL A.P.F. APPLICATION / RECEIPT

Date: 1/14/05 Fee: _____ Other: _____

Applicant's Name: Aguila Daytime Phone: 816-737-7854 (Terry Hedrick)

Address: 10700 East 350 Highway, P.O. Box 11739

City/State/Zip: Kansas City, MO 64138

Address of Project: 24400 S. Harper Rd. Subdivision: NA

Expected Completion Date: Fall 2005 Square Footage: 4000' (service building)

Construction Information:

Contractor Name: Kissick / AZCO Phone: 816-363-5530 / 920-734-5791

Contractor Address: 8131 Indiana Avenue KCMO 64132 / P.O. Box 567 Appleton, WI 54912

Number of Stories: 1 (service building) Interior: Metal Building

Exterior: Metal Building Fire Suppression Equipment: FM-200 chemical fire protection system for combustion turbines, misc. fire extinguishers located on site, sprinkler system for service building

Roof: Metal Building

Sprinkler System: YES ☒ NO ☐

Type: _____ Wet: ☒ Heated: _____ Dry: _____

FDC: Located on west central side of the building

Hydrant Location: 1 directly west of service building, total of 9 around site

Residual Pressure: _____ Static: 72 psig

Alarm System: _____ Local: ☒ Monitored: _____

Company Name: _____ Phone: _____

Hazards during Construction: YES ☒ NO ☐ Natural Gas connection

If yes, M.S.D.S. Sheets shall be supplied.

Applicant's Signature: Terry Hedrick

CODES USED IN REVIEW: UBC, UFC, LSC

APF FEE DOES NOT INDICATE APPROVAL OF PLAN PERMITS

FIRE DEPARTMENT USE ONLY

DATE RECEIVED: _____

DATE REVIEWED: _____

DATE APPROVED: _____

DATE PAID: _____

REVIEWERS SIGNATURE: _____

3.1.10 Public Water Supply District No. 7 Approval

Notice to Proceed
Per Aquila Contract Order #11008-1003

Date: 11/2/04

To: Mr. Leonard Whiting
Public Water Supply District No. 7
of Cass County, Missouri
106 E. Main St., Box 345
Freeman, MO 64746
(816) 250-2300

Please accept this as your notice to proceed regarding the Aquila Peek Use Power Plant located at 243rd and Harper Rd., Peculiar, Missouri on:

Project Title: Line Lowering at South Harper Peeking Facility Drive Entrance
Per 10/29/04 Letter & Bid

Please check (1) one and initial

- ☐ 6" Main Lowering - _____ (Initial)
- ☒ 8" Main Lowering - Alternate X TSK (Initial)

Signature: X/Terry S Hedrick
Authorized Aquila Representative

Date: 11/2/04

Printed Name: Terry Hedrick

Title: Project Manager - Aquila

3.2 OPERATING RELATED PERMITS

3.2.1 Title IV Acid Rain Permit Application



Aquila

October 7, 2004

Mr. Samer Al-Shoukhi
Missouri Department of Natural Resources
205 Jefferson
Jefferson City, MO 65105

Re: Acid Rain Permit Application for Aquila's Camp Branch Energy Center

Dear Mr. Al-Shoukhi:

In May, 2004, Aquila submitted an Acid Rain Permit application for Camp Branch Energy Center (ORIS Number 56151, MDNR No. 2004-05-063). Aquila has now decided to move the site from Harrisonville, MO in Cass County to Peculiar, MO in Cass County. The plant name has also been changed from Camp Branch Energy Center to South Harper Peaking Facility. The size and number of units will not change as a result of this site change nor will the Designated Representative or Alternate Designated Representative. When preparing the Acid Rain permit, please note these changes.

Please let us know if there are any notifications or forms that you or EPA will require. I can be reached at 816-527-1354.

Sincerely,

Block Andrews

Block Andrews
Director, Environmental Services

**Aquila**

Aquila
20 W. 9th St.
Kansas City, MO 64105
(816)527-1354

May 10, 2004

U. S. Environmental Protection Agency
Acid Rain Program (6204N)
Attn: Designated Representative
633 3rd St. NW
Washington, DC 20001

Fac./Cat. _____
File # _____
Orig. Date _____
Rec'd. Date _____
Other/Initials _____
COPY

RE: Acid Rain Application/Designated Representative
ORIS 56151 Camp Branch Energy Center (Missouri)

Dear Sir or Madam,

Please find attached three items related to the Camp Branch Energy Center:

- 1) Certificate of Representation
- 2) Acid Rain Permit Application
- 3) Public Notice of selection of designated representatives

The attached items are intended to satisfy the permitting and public notice requirements under the Acid Rain Program. Copies of this letter and attachments are being sent to Region VII and the Missouri Department of Natural Resources.

Please feel free to contact me at 816.527.1354 if you have any questions or require any additional information.

Sincerely,

Block Andrews

Block Andrews
Director, Environmental Services

Attachments

cc: Jon Knodel, EPA Region VII
Pam Muren, MDNR
Glenn Keefe, Aquila
Allan Dancy, Aquila



United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Certificate of Representation

Page 1

For more information, see instructions and refer to 40 CFR 72.24

This submission is: ☒ New ☐ Revised (revised submissions must be complete; see instructions)

This submission includes combustion or process sources under 40 CFR part 74 ☐

STEP 1

Identify the source by plant name, State, and ORIS code.

Plant Name	Camp Branch Energy Center	State	MO	ORIS Code	56151
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STEP 2

Enter requested information for the designated representative.

Name	Glenn P. Keefe, Operating Vice President - Electric				
Address	Aquila, Inc. 10700 East 350 Highway Kansas City, MO 64138				
Phone Number	816-737-7815		Fax Number	816-936-8695	
E-mail address (if available)	glenn.keefe@aquila.com				

STEP 3

Enter requested information for the alternate designated representative, if applicable.

Name	Allan Dancy, Plant Manager				
Phone Number	816-737-7696		Fax Number	816-537-8853	
E-mail address (if available)	allan.dancy@aquila.com				

STEP 4

Complete Step 5, read the certifications, and sign and date. For a designated representative of a combustion or process source under 40 CFR part 74, the references in the certifications to "affected unit" or "affected units" also apply to the combustion or process source under 40 CFR part 74 and the references to "affected source" also apply to the source at which the combustion or process source is located.

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the 'designated representative' for the affected source and each affected unit at the source identified in this certificate of representation, in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm power contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowances by contract, that allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative, if applicable, includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

Plant Name (from Step 1)

Camp Branch Energy Center

Certificate - Page 2

Page 2 of 2

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Signature (designated representative) <i>Alan Kufe</i>	Date 4-29-04
Signature (alternate designated representative) <i>Alan Kufe</i>	Date 4/22/04

STEP 5
Provide the name of every owner and operator of the source and identify each affected unit (or combustion or process source) they own and/or operate.

Name Aquila, Inc.					<input checked="" type="checkbox"/> Owner	<input checked="" type="checkbox"/> Operator
ID# 1	ID# 2	ID# 3	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#



Acid Rain Program

Instructions for

Certificate of Representation (40 CFR 72.24)

Under the Acid Rain Program (at 40 CFR part 72, subpart B), the owner and operator for each affected source must designate a representative and may designate an alternate. Owners and operators must choose the designated representative of a process that ensures that all owners and operators have notice regarding the selection.

All affected units at a source must have the same designated representative. The designated representative is responsible for all submissions and allowance transactions relating to the units at that source, and is liable for any omissions within the scope of the owner's responsibilities under the Acid Rain Program.

Please type or print. If more space is needed, photocopy the second page. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the boxes in the upper right hand corner of each page. A Certificate of Representation amending an earlier submission supersedes the earlier submission *in its entirety*. A revised Certificate of Representation must therefore be *complete*, including original signature(s) and dating by the designated representative (and the alternate designated representative, if applicable), as required under 40 CFR 72.24(a) and 72.25(a).

Submit one Certificate of Representation form with *original* signatures. Remember that under 40 CFR 72.21, the designated representative must notify each owner and operator of all Acid Rain Program submissions.

For assistance, call the Acid Rain Hotline at (202) 564-9620.

STEP 1 An ORIS code is a 4 digit number assigned by the Energy Information Administration (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If no code has been assigned or if there is uncertainty regarding what the code number is, contact EIA at (202) 287-1730 (for ORIS codes), or (202) 287-1927 (for facility codes).

For a combustion or process source under 40 CFR part 74, enter the ORIS or facility code if one has been assigned by EIA. If not, leave blank.

STEP 2 The designated representative must be a natural person and cannot be a company. Please enter the firm name and address as it should appear on all correspondence. All EPA correspondence is mailed to the designated representative *only*. An alternate designated representative must rely on the designated representative to forward information mailed by EPA to the designated representative.

STEP 3 Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.

STEP 4 The public notice declaring the appointment of a designated representative must be posted for at least one day. Also, all certification statements apply to the designated representative of combustion or process sources seeking to become opt-in sources under 40 CFR part 74.

STEP 5 See 40 CFR 72.2 for the definitions of "owner" and "owner or operator." Enter the company name of the owner(s) and operator in the "Name" field. Indicate whether the company is the owner, operator, or both. If the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form

STEP 5, cont'd.

when the operator has been selected within 30 days of the effective date of the selection.

Identify each affected unit at the affected source that is owned or operated by the named party by providing the appropriate unit identification number. Do not provide any identifiers for steam turbines or duct burners.

The identification number entered for each affected unit should be consistent with previously submitted Certificates of Representation (if applicable) and with unit identification numbers used in reporting to DOE and/or EIA. For new units without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements. All submissions to EPA that include the unit identification number(s) (monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in *exactly* the same way that they are referenced on the Certificate of Representation.

Mail this form to:

U.S. Environmental Protection Agency
Acid Rain Program (6204N)
Attention: Designated Representative

by regular or certified mail: or overnight mail:

1200 Pennsylvania Ave., NW
Washington, DC 20460

633 3rd St., NW
Washington, DC 20001
(202) 564-9150

Submit this form prior to making any other submissions under the Acid Rain Program. This form must be submitted before participating in the annual auctions and sales of allowances. EPA will not issue proceeds from auctions or sales to a unit until it receives a complete Certificate of Representation.

Combustion or process sources seeking to become opt-in sources under 40 CFR part 74 must submit this form prior to or concurrent with the opt-in permit application under 40 CFR 74.14.

Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change.

Paperwork Burden Estimate

The burden on the public for collecting and reporting information under this request is estimated at 35 hours per response. Send comments regarding this collection of information, including suggestions for reducing the burden, to: Chief, Information Policy Branch (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460; and to: Paperwork Reduction Project (OMB#2060-0221), Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. Do not submit forms to these addresses; see the submission instructions above.



United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258

Acid Rain Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is: ☒ New ☐ Revised

STEP 1

Identify the source by
plant name, State, and
ORIS code.

Plant Name **Camp Branch Energy Center** State **MO** ORIS Code **56151**

STEP 2

Enter the unit ID#
for every affected
unit at the affected
source in column "a."
For new units, enter the
requested information in
columns "c" and "d."

a	b	c	d
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Date	New Units Monitor Certification Deadline
1	Yes	May 18, 2005	August 17, 2005*
2	Yes	May 25, 2005	August 24, 2005*
3	Yes	June 1, 2005	August 31, 2005*
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		

*New units monitoring certification deadline dates listed are based on 90 days after commencing operation. Actual deadline dates are 90 OPERATING days after commencing operation.

Plant Name (from Step 1) **Camp Branch Energy Center**

STEP 3.

Read the
standard
requirements

Permit Requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
- (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
- (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
- (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another affected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
- (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Plant Name (from Step 1) **Camp Branch Energy Center**

Acid Rain - Page 3

STEP 3,
Cont'd.

Nitrogen Oxides Requirements The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Acid Rain - Page 4

Plant Name (from Step 1) **Camp Branch Energy Center**Step 3,
Cont'd.**Liability, Cont'd.**

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

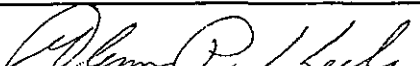
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4**Certification**

Read the
certification
statement,
sign, and
date

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Glenn P. Keefe	
Signature		Date 4-29-04



Acid Rain Program

Instructions for Acid Rain

Permit Application (40 CFR 72.30- 72.31)

The Acid Rain Program requires the designated representative to submit an Acid Rain permit Application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application once submitted is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. The alternate designated representative may sign in lieu of the designated representative. If assistance is needed, contact the title V permitting authority.

STEP 1 Use the plant name and ORIS Code listed on the Certificate of Representation for the plant. An ORIS code is a 4 digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If no code has been assigned or if there is uncertainty regarding what the code number is, contact EIA at (202) 287-1730 (for ORIS codes), or (202) 287-1927 (for facility codes).

STEP 2 For column "a," identify each affected unit at the affected source by providing the appropriate unit identification numbers, consistent with the unit identification numbers entered on the Certificate of Representation and with unit identification numbers used in reporting to DOE and/or EIA. For new units without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements.

For columns "c" and "d," enter the commence operation date(s) and monitor certification deadline(s) for new units in accordance with 40 CFR 72.2 and 75.4, respectively.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 564-9620.

Paperwork Burden Estimate

The burden on the public for collecting and reporting information under this request is estimated at 17 hours per response. Send comments regarding this collection of information, including suggestions for reducing the burden, to: Chief, Information Policy Branch (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460; and to: Paperwork Reduction Project (OMB#2060-0258), Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. **Do not submit forms to these addresses; see the submission instructions above.**

AFFIDAVIT OF PUBLICATIONSTATE OF MISSOURI
COUNTY OF CASS

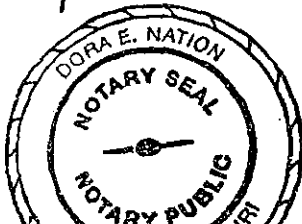
ss.

(Space above for recording information)

I, Sandy M. Steckly, being duly sworn according to law, state that I am the Publisher of the Cass County Democrat-Missourian, a weekly newspaper of general circulation in the County of Cass, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Harrisonville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bona fide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

1st Insertion: Vol. 124 No. 27, 30th day of April 20042nd Insertion: Vol. _____ No. _____, _____ day of _____ 20____3rd Insertion: Vol. _____ No. _____, _____ day of _____ 20____4th Insertion: Vol. _____ No. _____, _____ day of _____ 20____5th Insertion: Vol. _____ No. _____, _____ day of _____ 20____

\$3381


Publisher's SignatureSubscribed and sworn to before me on this 30th day ofApril, 2004DORA E. NATION
Notary Public - State of Missouri
Commissioned in Cass County
My Commission Expires May 5, 2005**PUBLIC NOTICE**

Pursuant to regulations in 40 CFR Part 72.24 implementing the Federal Clean Air Act, Aquila, Inc. is providing notice of the selection of a designated representative and alternate designated representative. Glenn Keefe will serve as the designated representative; Allan Dancy will serve as the alternate designated representative. By this notice, these persons have authority to represent Aquila in matters pertaining to the federal Acid Rain program for the Camp Branch Energy Center Units 1, 2 and 3, which will be located approximately two miles northeast of Harrisonville, Mo. For further information contact Block Andrews, Director of Environmental Services at 816-527-1354.

27-1tc

3.2.2 Title V Federal Operating Permit

The Title V Federal Operating Permit will be applied for once operation of the facility has commenced and actual emission data is available. This must be applied for within one year after the facility commences operation.

3.2.3 National Pollution Discharge Elimination System (NPDES)
Missouri Operating Permit and Stormwater Pollution
Prevention Plan (SWPPP)

The National Pollution Elimination System (NPDES) Missouri Operating Permit application and Stormwater Pollution Prevention Plan (SWPPP) have not been prepared. If this permit and SWPPP is deemed necessary by the Missouri Department of Natural Resources (MDNR), Aquila will prepare the appropriate application to obtain a permit. If the permit will be necessary, the associated SWPPP will be prepared and on file at the South Harper Peaking Facility.