



Rhonda Hamm-Niebruegge DIRECTOR

January 2, 2019

Union Electric/Ameren Attn: Chad Raley

Azimuth

Attn: Frank Robbins, Marc Lopata, Daniel Shroh

Subject: **TCA 18 003**

Install of Community Solar Energy Center Solar Array

Enclosed is your conditional approval of Tenant Construction Application submitted for the installation of the Solar Farm.

This approval is granted under all the terms and conditions printed on both sides of the original Application and the attached list of approval conditions. **A pre-construction meeting is being required.** Please contact Jim Jackson in Engineering 314-551-5037 to schedule.

The contractor will need to be present and provide a work schedule at the meeting. We will need a list of all subcontractors on the project as well.

All required documentation requested as noted in this packet should be provided at the preconstruction meeting. At the conclusion of a pre-construction meeting, you will be given a Tenant Construction Approval Card (Blue Card) if all conditions are met. This card must be displayed at all times at the work site.

Upon completion of the project, we ask for the following to be sent to the Airport Properties Department, the following documents:

- 1) A Completion letter
- 2) Proof of Build out Costs.
- 3) Number of jobs created
- 4) AsBuilts in CAD

If you have any questions or require additional information, please call at 314-426-8102.

Sincerely,

Kathryn Ruth

Risk Manager, St. Louis Lambert International Airport

Properties Department

THE CITY OF ST. LOUIS

ST. LOUIS LAMBERT INTERNATIONAL AIRPORT

ST. LOUIS, MISSOURI 63145

TACHMENT C

TENANT CONSTRUCTION OR ALTERATION APPLICATION

DATE 03/01/2018 TCA NUMBER Assigned 18003

TENANT MUST READ THE TERMS AND CONDITIONS PRINTED ON THE REVERSE SIDE OF THIS FORM

The Applicant shall not commence performance of any of the said work prior to the receipt by Applicant of a copy of this application duly signed in Part Two hereof on behalf of the City. Upon receipt thereof, the Applicant agrees to perform said work in accordance with the following "Information to be Furnished by Applicant" and to comply with and be bound by all requirements and conditions set forth below in Part Two hereof and the terms and conditions set forth on the reverse hereof.

Minimum Insurance Limits are as follows, unless specified to be greater: Bodily Injury - \$2,000,000.00 per person, each occurrence; Property Damage- \$2,000,000.00 each occurrence. The project may require Comprehensive General and Auto Liability. All insurance policies must name the City of St. Louis as additional insured. A current Certificate of Insurance must be on file before this form will be approved. Note: Minimum Insurance Limits are increased to \$5,000,000.00 if airfield access is required.

PART ONE: PRE-DESIGN REVIEW WITH ENGINEERING NA				
PART TWO INFORMATION TO BE FURNISHED BY APPLICANT (REFER TO YOUR LEASE OR PERMIT FOR REQUIRED INFORMATION) Permission is hereby requested to perform the following described work on the space occupied by the Applicant.				
	Electric Company d/b/a n Missouri	PURSUANTTO (LEASE, SPACE PERMIT)NO. AL-044	PRECISE LOCATION (BUILDING, AREA, AND/OR ROOM#) OF SPACE TO BE ALTERED 11601 Missouri Bottom Rd. St. Louis MO 63044	

PROJECT TITLE, DESCRIPTION AND REASON FOR PROJECT

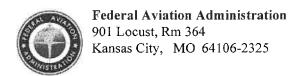
Ameren Lambert Community Solar Energy Center Solar Array

Union Electric Company, d/b/a Ameren Missouri, a public utility provider, seeks to construct and operate a solar energy farm at St. Louis Lambert International Airport. The State of Missouri has a Renewable Portfolio Standard for investor-owned utilities to produce renewable energy based on an escalating percentage of retail sales. By 2021 and thereafter the renewable component will be 15%. Renewable solar energy is included in the Portfolio Standard. The proposed facility as St. Louis Lambert Airport would be a technology demonstrator project. It would be a first-of-kind in St. Louis and would be responsive to State expectations for renewable energy production (4 CSR 240-20.100).

The Applicant and the City have entered into the St. Louis Lambert International Airport Lease Agreement, signed June 22, 2017, under which Tenant will construct the Solar Energy Center Solar Array. In the event of any conflict between the terms and conditions in the Lease and terms and conditions in this

OBS CREATED: this can be temporary construction					
STIMATED COST OF WORK ESTIMATED TIME TO COMPLETE (DAYS) ESTIMATED STARTING DATE					
\$1,438,871 150 days			08/01/2018		
Plans: Six (6) complete sets of plans and specifications m should be FULL SIZE 24 X 36. Drawings on CD a	ust be submitted wit cceptable.	h the Application. Include floor plan, and sho	ow area affected by proposed work. The plans		
	ENG	INEER OR ARCHITECT CERTIF	ICATION		
have supervised the preparation of plans and specil enactments, codes, ordinances, resolutions and regul safety and fire protection, which would be applicable if	ations of the city, to	own or municipality in regard to construc	ction and maintenance of buildings and structur	es and in regard to health,	
AME & ADDRESS OF ENGINEER OR ARCHITECT				TELEPHONE NO.	
Marc Lopata, PE, 4240 Duncan Ave., Ste. 200, St. Louis, MO 63110					
SIGNATURE OF LICENSED PROF. ENGINEER OR ARCHITECT					
				E-2014023053	
AME & ADDRESS OF CONTRACTOR (IF NOT KNOWN, SUBMIT	TELEPHONE NO.				
Azimuth Energy, 4240 Duncan Ave., Ste. 200, St. Louis, MO 63110			frank@azimuth.energy	(314) 717-8448	
pplicant (tenant's name as it appears on lease or pr Ameren Missouri	ERMIT)	SIGNATURE OF APPLICANT	IAIL ADDRESS TELEPHONE NO.		
SEND CORRESPONDENCE TO: (NAME & ADDRESS OF EMPLOYEE IN CHARGE OF PROJECT) Frank Robbins, 4240 Duncan Ave., Ste. 200, St. Louis, MO 63110 Title Project Manager			DATE 03/01/2018		
ROJECT MANAGER 24 HOUR CONTACT INFORMA	ATION: frank	x@azimuth.energy (31	4) 717-8448		
ART THREE PREPARED BY CITY AND RETURNE	D TO APPLICANT	4			
The above application is V Approved subj	ect to the attached	conditions. Disapprove	d.		
			-		

Airports Division, ACE-600



December 10, 2018

dlryan@flystl.com

TO:

St. Louis Airport Authority Attn: Dana Ryan P.O. Box 10212 St. Louis, MO 63145 CC:

Azimuth Energy Attn: marc lopata 4240 duncan avenue suite 200 st louis, MO 63110 marc@azimuth.energy

RE: (See attached Table 1 for referenced case(s))
FINAL DETERMINATION

Table 1 - Letter Referenced Case(s)

ASN	Prior ASN	Location	Latitude (NAD83)	Longitude (NAD83)	AGL (Feet)	AMSL (Feet)
2018-ACE-2922-NRA		ST LOUIS,MO	38-45-32.31N	90-23-01.84W	10	577
2018-ACE-2923-NRA		ST LOUIS,MO	38-45-32.13N	90-23-01.74W	10	577
2018-ACE-2924-NRA		ST LOUIS,MO	38-45-31.22N	90-22-56.12W	10	591
2018-ACE-2925-NRA		ST LOUIS,MO	38-45-31.31N	90-22-56.19W	10	591

Description: Security light post that will be built into the Solar Array Fence Boundary Line (2017-ACE-6050-NRA) of the Solar Array (2017-ACE-6064-NRA), that have been previously accepted. These four fence posts will extend 2 feet above the standard 8-foot fence, totaling 10 feet above the ground. A security down light fixture will be mounted to the fence post, not to exceed the 10 foot maximum. Two of the lights will be focused on the entrance gate of the fence, while the other two lights will be focused on the central equipment hub. The fixtures will have cut-off luminaires to avoid vertical dispersion of the lighting.

We do not object with conditions to the construction described in this proposal provided:

You comply with the requirements set forth in FAA Advisory Circular 150/5370-2, "Operational Safety on Airports During Construction."

After construction is complete, update Airport Layout Plan (ALP) with as-built conditions during next ALP revision.

This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making this determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA), and known natural objects within the affected area would have on the airport proposal.

ATTACHMENT C

This determination expires on 12/10/2019 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for the completion of construction, or the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be obtained at least 15 days prior to expiration date specified in this letter.

If you have any questions concerning this determination contact John Karrasch (816) 329-2617 john.karrasch@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2018-ACE-2922-NRA.

John Karrasch Specialist

Signature Control No: 369153406-391897486

TCA 18-003-CD1

Ameren Solar Farm

UNION ELECTRIC CO.

APPROVAL CONDITIONS

4/4/18

Engineering has been in discussions with Environmental and Planning Departments and takes no additional exceptions to this Design Layout.

- EN-1 Restore all soil and re-sod areas to original condition which are disturbed by trenching, excavating, hauling or staging.
- EN-2 Keep roadways clear of FOD, dirt and debris.
- EN-3 Provide FAA 7460 for any high construction
- EN-4 Locate and protect all existing utilities. Also, do not drive construction equipment over existing utilities.
- EN-5 A maintenance agreement must be part of any lease or right of way agreements to maintain grass inside and along fence line. Place weed barrier at bottom of fence.
- EN-6 Verify with Airport Environmental if soil spoils are to be left on site or where disposed.
- EN-7 Provide location identification over underground cable runs or hazardous areas outside fence.
- EN-8 Provide detail for approval if boring or trenching of Airport roadways is required.
- EN-9 Engineering approval shall not be construed as final approval. Tenant and Design Consultant are still obligated to perform all work under the guidelines of the Airport Authority as well as all building codes and fire safety codes as required by the State and Local Authorities.

- EN-10 All environmental issues to be approved by the Airport Authority Environmental Department, Contact Jonathan Strobel (314) 551-5035.
- EN-11 A pre-construction meeting **shall** be required before any work is begun. Contact: Jim Jackson, Engineering, (314) 551-5037.
- EN-12 Tenant is to submit schedule, staging area and delivery plan to work site for Engineering approval (Contact: Jim Jackson, Engineering, (314-551-5037) prior to execution.
- EN-13 Any changes in the approved plans and specifications <u>must</u> be submitted and approved <u>prior</u> to execution.
- EN-14 Tenant is to obtain and post a "Tenant Construction Approval" form prior to any construction. The forms issued by the Airport Properties Department. The form must be displayed at all times at work site.
- EN-15 The Contractor shall deliver three (3) complete, updated, posted sets of construction documents (drawings and specifications) to Engineering prior to start of work. These construction sets shall incorporate all changes and additional information required by Engineering, as well as all other addenda and/or change orders issued by the Tenant after submittal of the Tenant Application. Indicate all revisions since the submission of the Tenant Application, and properly code and label these changes with clouds and notations in the Revision Block. These documents are for the Airport's review and use during construction.
- EN-16 The Tenant shall provide written certification (on his corporate letterhead) at the preconstruction conference, assuring the Airport that all of the requirements of these Approval Conditions will be complied with during this project. If there any approval conditions with which the Tenant does not concur, these should be specifically noted in the letter as exceptions, for further review with the Airport.

END OF REVIEW

TCA-18-003-CD-1 Page 2

Properties Approval Conditions TCA 18-003 Ameren Solar Farm

- PROP-1. Tenant must submit the contractor's liability insurance certificates, performance bonds, and payment bonds, as applicable, to the Airport Properties Division not more than forty-five (45) days following the TCA approval by the Airport Properties Division and prior to the beginning of any work.
- PROP-2. Tenant must provide a current certificate of insurance with the following minimum coverage limits:

 Bodily Injury \$3,000,000 per person, each occurrence

Property Damage - \$3,000,000 each occurrence

Coverage must include Comprehensive General & Auto Liability. Minimum insurance limits are increased to \$5,000,000.00 if airfield access is required.

- PROP-3. Tenant must carry, or must require its contractor or contractors to carry, a policy of Builders Risk Insurance in an amount sufficient to insure the value of the work. The City must be named Loss Payee on Builders Risk coverage to the extent of the City's interest therein (except to the extent coverage relates to Tenant's equipment and personal property). Tenant may elect to self-insure for individual projects with a total cost of Fifty thousand dollars (\$50,000.00) or less.
- PROP-4. All insurance policies must name **The City of St. Louis, its Board of Alderman, Airport Commission, officers, employees, and agents** as additional insured.
- PROP-5. Tenant must not permit any mechanics' or materialmen's or any other lien or encumbrance to be attached or foreclosed upon the Premises or any part or parcel thereof, or the improvements thereon, by reason of any work or labor performed or materials furnished by any mechanic or materialman or for any other reason.
- PROP-6. Tenant must submit a St. Louis County building permit number not more than thirty (30) days following submission of the TCA to the Airport Properties Division.
- PROP-7. Contractor must provide a work schedule to the Airport Properties Division prior to the start of the construction project.
- PROP-8. Tenant must specify on the TCA form the approximate number of jobs (including all construction and temporary) created by the project (see application).
- PROP-9. Upon completion of the project, Tenant will ensure that the contractor and subcontractors promptly remove all project related construction equipment, materials, tools, etc. from the airport environs and leave all tenant and non-tenant spaces in a clean and orderly condition.
- PROP-10. Upon the completion of the project, Tenant must submit to the Airport Properties

Division a copy of its acceptance letter certifying completion and a certified copy of any certificate or permit which may be required by any federal, state or local government or agency in connection with the completion or occupancy thereof by Tenant.

- PROP-11. Tenant must submit to the Airport Properties Division sealed as-built drawings, preferably in an electronic format, within ninety (90) days of completion of the project.
- PROP-12. Tenant is solely responsible for verifying the viability and working order of all utility connections related to the space and project. Any subsequent utility connection issues will be the sole responsibility of the tenant and not the City.
- PROP-13. Areas of **Low Vertical Clearance** are found throughout the Airport, including the Airside and Landside. Tenant and Contractors are responsible for evaluating all vehicle routes, knowing the height of all vehicles used on the project and reviewing any and all vertical height clearance restrictions on the property.

TCA 18-003

Solar Project

Airport EHS Comments/Conditions

EHS-1. Environmental Management System (EMS):

Airport Properties TCA contact to provide the tenant with an Airport EMS contractor brochure at the pre-construction meeting. This brochure summarizes the airport Environmental Policy and contractor environmental responsibility. In addition, the brochure identifies Airport Environmental/Health and Safety (EHS) contacts.

EHS-2. Asbestos Inspections:

- a. According the plans provided, this project has potential to impact suspect asbestos containing materials.
- b. Prior to impacting materials, the tenant/contractor must coordinate inspections by an Asbestos Inspector licensed by the State of Missouri and have the samples analyzed by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory.
- c. Work can commence if analytical results indicate that suspect materials are less than 1% asbestos.
- d. If asbestos containing building materials are identified, and will be impacted as part of the project, the materials must be abated by an Asbestos Abatement Contractor licensed by the State of Missouri. The licensed contractor must provide a close-out report upon completion.
- e. Sample results and asbestos abatement close-out report (if applicable) must be provided to Airport EHS, at <u>Airport-Environmental&Safety@flystl.com</u>.

EHS-3. Land Disturbance Best Management Practices:

Best management practices (BMP) for storm water runoff pollution controls must be in place during any land disturbance activities including trenching and any spoils/cutting etc remaining from borings. BMPs include:

- a. Erosion controls such as silt fencing or straw bales
- b. Weekly and post rain event inspections of in-place erosion controls.
- c. Proper storage of materials on site to prevent discharge to storm water.

EHS-4. Dust Control:

The tenant must utilize attached dust control form and submit on a weekly basis to Airport EHS, via email: kjmccoy@flystl.com

EHS-5. Project Waste and Recycle:

The tenant must document and provide information about all wastes generated during this project and subsequent disposal methods. The tenant must also certify upon project

completion that excess project materials and any wastes have been cleared from the project site and Airport-owned property.

Waste tracking and project site clearance shall be demonstrated by completing attached "Tenant/Contractor Waste Tracking Sheet and Site Clearance Certification Form" and providing back-up bill of lading, dump tickets, recycling certifications and waste manifests. The completed form shall be signed and provided, along with the back-up documentation, to Kevin McCoy, Airport EHS, via email at kimccoy@flystl.com within 10 days of project completion.

EHS-6. Safety Data Sheets:

The tenant must provide safety data sheets and storage locations for any hazardous materials and/or petroleum products required to perform the scope of work. Information is to be provided to Airport EHS, via email at <u>Airport-Environmental&Safety@flystl.com</u>.

- EHS-7. The scope of construction in the subject TCA appears to include land disturbance activities of one (1) acre or greater. Missouri State Regulations require land disturbance activities of one (1) acre or greater to be covered under a Land Disturbance permit prior to the start of construction activities. Therefore, prior to the commencement of work, the tenant must provide the following:
 - 1. Land Disturbance Permit issued by the Missouri Department of Natural Resources Water Protection Program, and a Land Disturbance Permit issued by the city of Bridgeton. The permits must be posted on site.
 - 2. Associated site specific SWPPP developed in accordance with Land Disturbance Permits that addresses this project and Best Management Practices for specific planned project activities that have the potential to impact water quality. Documentation of SWPPP awareness training for workers is required. The SWPPP must be kept at the project site and contain a legible site map showing the site boundaries and outfalls and identify:
 - a) Direction(s) of stormwater flow and approximate slopes anticipated after grading activities;
 - b) Areas of soil disturbance and area that will not be disturbed (or a statement that all areas of the site will be disturbed unless otherwise noted)
 - c) Location of major structural and non-structural BMPs identified in the SWPPP;
 - d) Locations where stabilization practices are expected to occur;
 - e) Locations of off-site material, waste, borrow or equipment storage areas;
 - f) Locations of all waters of the United States (including wetlands);
 - g) Locations where stormwater discharges to a surface water; and
 - h) Areas where final stabilization has been accomplished and no further construction-phase permit requirements apply.
- EHS-8. The tenant must notify Jon Strobel, Airport EHS Manager, at 314-551-5035 or email at jmstrobel@flystl.com if they will be doing any excavation and importing or exporting fill materials. The source or destination of the fill material will need to be provided.

EHS-9. The tenant must immediately notify Jon Strobel, Airport EHS Manager, at 314-551-5035 and email at jmstrobel@flystl.com if soils impacted by petroleum or other chemicals of concern are encountered during construction activities. The tenant/contractor must obtain Airport approval for landfill and disposal methodology for such soils.

In the State of Missouri, petroleum impacted soils are managed as a "Special Waste" rather than a RCRA Hazardous waste. They must be disposed of off airport property at a landfill licensed to accept Special Waste, transported by a St. Louis County Licensed Special Waste Hauler. The landfill requires a Special Waste Disposal Pre-Authorization Acceptance Form and St. Louis County requires a Special Waste Disposal Permit.

Storm Water Pollution Prevention regarding dewatering activities must be addressed in the project specific Land Disturbance Permit's required Project Specific Storm Water Pollution Prevention Plan.

Benefits of the EMS:

- Improved quality of life at work and in the community
- Positive economic impacts
- Strengthened partnerships with airlines and tenants through new collaboration opportunities to improve environmental performance
- Demonstrates appreciation of the traveling public by enhancing the overall quality of their Airport experience
- Focus on continual improvement, Including Landfill, Disposal Diversion, Energy Conservation, Protection of Human Health, and protection of Air, Land, and Water Resources.

Contact Information

For Airport EHS information:

EHS Manager Jon Strobei (314) 551-5035 jmstrobei@fiystl.com Environmental Project Engineer Katarina Michalova (314) 551-5073 kmichalova@flystl.com

For EHS Emergency Airport Operations Center (314) 426-8040

Fire / Police 911

For Hazmat Spill Ernergencies National Response Center (800) 242-8802

Missouri Spill Hotline (314) 634-2436 St. Louis County APCP (314) 655-8924

MSD 24-Hour (314) 760-6260

The Lambert-St. Louis International Airport Environmental Management System (EMS)

Contractor Awareness



The Airport is focused on minimizing the environmental impacts of its operations while improving services and contributing to the economic growth of the St. Louis area.

We expect and look forward to all of our contractors and consultants joining us in this effort.

What Is an EMS?

An Environmental Management System (EMS) is a collection of policies and procedures which when implemented serve to improve the efficiency and effectiveness of the environmental management programs at Lambert-St. Louis International airport (Airport).

The overall objective of an EMS is to improve environmental performance while maintaining and expanding the Airport's position in the aviation industry and as part of the greater St. Louis business economy.

The EMS enables individuals to recognize real and potential environmental hazards and to proactively respond to reduce environmental risks.

Environmental requirements are an important component of effective project planning and contract review. Such requirements are to be addressed through the contracting process. Consistent and clear communication with Airport personnel is critical to the success of the EMS and environmental performance

Environmental Policy

The Policy States the Airport's Commitment to:

- Prevent pollution
- Adhere to environmental Regulations
- Continually improve overall environmental management performance
- Act as a good neighbor
- Serve as an economic engine for the St. Louis area

Full policy statement posted at:

www.flystl.com/aboutlambert/ environmental

Contractors Responsibilities at the Airport

- Understand and comply with applicable regulations.
- Be familiar with the environmental policy statement.

 Prevent pollution by minimizing use
 - Prevent pollution by minimizing use of potentially hazardous materials

 Practice good housekeeping, dust and erosion control, and other best

management practices applicable to

your work.

- Discuss environmental issues before work begins. Please contact EHS Manager Jon Strobel at 314-551-5035 or jmstrobel@flystl.com, through your contract manager with any questions or concerns.
- Notify the EHS manager of any hazardous materials brought onto Airport property. Ensure that Safety Data Sheets (SDS), emergency response protocols, and disposal plans are in place before items arrive on Airport property.
- Alert your immediate contract
 manager if any environmental
 incident occurs. If emergency
 conditions such as imminent harm
 to the air, ground or waterways exist,
 notify Airport Operations Center.

Tenant/Contractor Waste Tracking Sheet and Site Clearance Certification Form

Project Name and TCA #: Tenant:

Project Start Date: Contractor:

Project Completion Date:

1. Edit material/item list in left column as appropriate.

2. Include all waste material types generated.

3. Fill in columns with relevant recycling/disposal data.

4. Attach back-up bill of lading, dump tickets, recycler certification, manifests, etc.

Percent Diverted from Landfill (%) Landfill/Disposal Amount Sent to Landfill (tons) Amount Diverted Recycle Destination Facility Reuse, Salvage, or from Landfill by Recycle (tons) Generated (tons) Total Amount Hauler Subtotal Subtotal Subtotal Total General Construction Waste Clean Fill (approved by EHS) Material/Item Recyclable Material Jsed Oil/Lubricants Regulated Wastes Hazardous Waste Electronic Waste Universal Waste pecial Waste Single Stream Non-Ferrous Solid Waste Aluminum Other * errous

I certify that wastes have been disposed of according to applicable waste regulations and transported as indicated above. In addition, I certify that all wastes and excess project materials have been removed from the project site and Airport property. NOTE: This form shall be completed, signed, and returned to the Airport Properties

Project Manager Name:	and Airport EHS contact (below) within 10 working days of project completion.
Project Manager Signature:	Katarina Michalova, Airport EHS
Date:	11495 Navaid Road St.Louis, Missouri 63044
	0: (314) 551-5073 F: (314) 551-5013

email: kmichalova@flystl.com

^{*} Describe Other Recyclable Material

Daily Dust Control Inspection Report

Project Name:	
Monday	Date:
Description and status of daily dust control measures:	
Tuesday	Date:
Tuesuay	Date
Description and status of daily dust control measures:	
Wednesday	Date:
Description and status of daily dust control measures:	
Thursday	Date:
Description and status of daily dust control measures:	
Friday	Date:
Description and status of daily dust control measures:	
Saturday	Date:
Saturday	Date
Description and status of daily dust control measures:	
Sunday	Date:
Description and status of daily dust control measures:	
	Data
Inspector:	Date:

Send completed report to: Kevin McCoy, Airport EHS kjmccoy@flystl.com

Operations Standard Comments TCA 18 003

- OPS-1 Tenant shall comply with all appropriate conditions set forth in FAA Advisory Circular 150/5370-2F (or most current edition) Operational Safety on Airports During Construction.
- OPS-2 Tenant shall ensure that vehicle operators attend the Movement Area Driver's Training Class or the Non-Movement Area Driver's Training Class as appropriate to the project location. Tenant will minimize vehicular traffic on the Non-Movement Area.
- OPS-3 Tenant shall ensure compliance with all Federal Aviation regulation Part 139, Airport Certification Manual, Rules and Regulations applicable to the project.
- OPS-4 Tenant shall comply with Federal Aviation Regulation Part 77. Per FAR Part 77.13, in general, any person proposing any construction or alteration on any public use airport, regardless of height, shall e-file notice through the FAA's 7460 process. Furthermore, FAR Part 77.13 states that notice shall be filed with the FAA for any construction or alteration that is near a public-use airport and is more than 200 feet in height above the ground at its site, or penetrates imaginary surfaces defined in Part 77.13. For STL this would be an imaginary envelope boundary extending 20,000 feet from the nearest point of the nearest runway, with a projected slope of 100 feet horizontal for each 1 foot vertical. In addition, filing is required when the object is a traverse way (roadway) for mobile objects and it penetrates the above imaginary surfaces created by a sloped line from the edge of the nearest runway upward to an adjusted height above the traverse way. For example, if the object were a private roadway, the imaginary intersection point would be from the surface of the road adjusted upward 10 feet, or to the height of the highest mobile object to use that road. Furthermore, if the obstruction were a railroad, the imaginary intersection point would be from the surface of the track adjusted upward to 23 feet.
- OPS-5 Tenant shall provide a 24/7 point of contact with the authority to respond as directed by the Airport prior to the start of the project.
- OPS-6 Tenant shall provide a schedule of the project to include but not be limited to, start date, hours of work, anticipated completion date.
- OPS-7 Tenant shall submit a Safety Plan to the Airport prior to the start of the project showing how personnel and property will be protected from any potential risk caused by the project.

OPS-8 Tenant shall ensure that a minimum of 72 hours notice be given for the interruption of any utilities or services to the Airport, Airport Tenants and /or customers. OPS-9 Tenant shall make temporary/permanent repairs to any Airport property damaged by work associated with the project as directed by the Airport. **OPS-10** Tenant shall provide accurate as-built drawings of all structural/cosmetic changes made to Airport structures, roads, runways, taxiways and ramps to the Airport upon completion of the project. OPS-11 Tenant shall take any and all means necessary to prevent Foreign Object Debris (FOD) from impacting the Airport Operations Area. OPS-12 Tenant shall notify the Operations Center at 314-426-8040 at the start of any construction on a daily basis. OPS-13 If any crane is to be used, notification must also be made to the Operations Center before the crane is raised, and after the crane is lowered. All cranes will be lowered when not in use. All cranes shall be marked and lit as required.

For interior work:

When a contractor is tying into an existing drain line, the contractor shall cable and camera the existing drain line(s) before making any connections. They shall supply the Airport Operations and Maintenance dept. a copy of the camera scope for review by Ops and Maintenance and our Engineering Depts. The cost for the cabling and the camera scope will be on the contractor.