

Safety Net

STL SAFETY MANAGEMENT SYSTEM (SMS) MAJOR MILESTONES AND ACCOMPLISHMENTS



A Safety Management System (SMS) is a formal, top-down approach to managing safety risks. SMS concerns itself with organizational or system safety rather than conventional work-related health and safety issues. SMS allows the organization to pro-actively manage risk, detect and correct safety problems before those problems result in incidents or accidents, and reduce the impact and cost of incidents.

SMS is composed of four functional components. **Safety Policy:** Establishes senior management's commitment to continually improve safety. **Safety Risk Management (SRM):** Determines the need for, and adequacy of, new or revised risk controls based on the assessment of acceptable risk. **Safety Assurance (SA):** Evaluates the continued effectiveness of risk control strategies. **Safety Promotion:** Includes training, communication, and other actions to create a positive safety culture within all levels of the workforce.

2015 was another productive year for SMS. The continuing support and assistance from the entire Airport community, including our airline partners, tenants, and other business associates, validates the organization's ongoing commitment to improving airport safety. A breakdown of the entire year can be found on Page 4; major milestones and accomplishments can be found on Page 2 and 3. We are always looking for ways to improve STL SMS. If you know of a way to improve or grow the program, please do not hesitate to share your thoughts. →



SHARING THE KNOWLEDGE

STL recognizes that industry-related knowledge sharing constitutes a valuable, yet intangible asset that can lead to industry and airport advancement. While some airports tend to resist sharing their knowledge with other organizations, STL SMS participated in a number of knowledge sharing activities in 2015.

Presenter. In June, the SMS Coordinator gave a presentation entitled “SMS: No Guidance – No Problem” at the American Association of Airport Executives (AAAE) Annual Conference, Philadelphia, PA.

Visitor. In July, the SMS Coordinator visited the Airport Director and Risk Manager at St. Louis Downtown Airport (KCPS).

Panelist. In March, April and September, the SMS Coordinator served as an expert panelist on the Airport Co-operative Research Program’s (ACRP) *Airport Safety Risk Management Activities and Outcomes* study, Washington D.C.

Host. In November, the SMS Coordinator hosted an Airport Duty/SMS Manager from Seattle-Tacoma International Airport (KSEA).

PROACTIVE IMPROVEMENTS



In the past, safety measures have typically been reactive. SMS takes a proactive approach with the goal of being forward-looking in accident and incident prevention.

Notable Proactive Improvements:

- Installed new high traction floor tile, Terminal 1, Entry 14, 15 and 16.
- Removed “Eye Wash Inside” sign from area without an eye wash station, T1 Bag Room near door MT-1162.
- Installed moisture absorbing, traction flooring, Airport Office Building (AOB), First Floor, North Entrance.
- Removed “Eye Wash Station” sign from area without an eye wash station, T2 Ramp Level, near Gate E8.
- Created high traction surfaces around garage elevators, Terminal 1 Garage, Red, Green and Yellow Levels.

REPORT POTENTIAL SAFETY CONCERNS

SMS Hazard Reporting System

<https://sms.flystl.com>



SMS Hazard Reporting Hotline

314-426-8117



EDITOR

Liz Smart, AAE
STL SMS Coordinator
ecsmart@flystl.com



STL SMS: WORKING FOR YOU

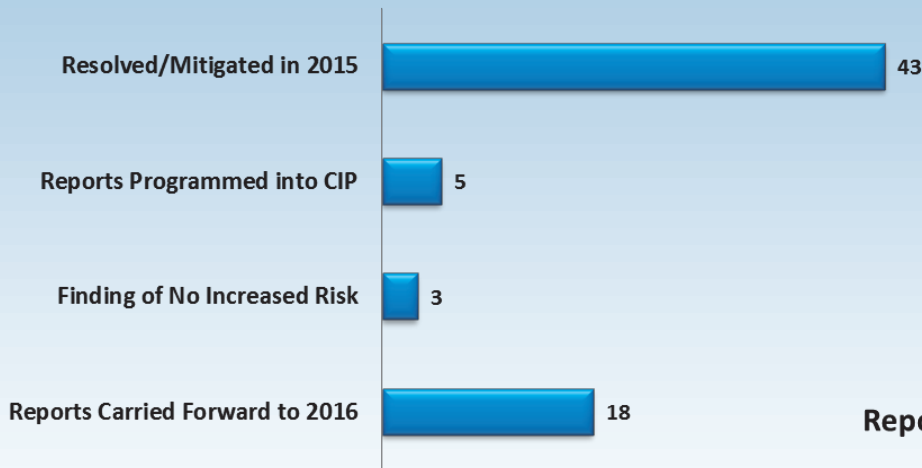
In 2015, the Airport received 55 hazard reporting system reports. A full breakdown of the year can be found on Page 4, and Year over Year Comparison and Trending information can be found on Page 5 and 6.

Notable Improvements in 2015:

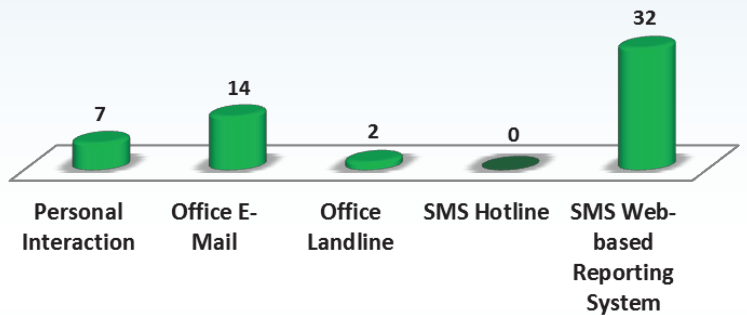
- Repainted the entire vehicle roadway and enhanced the markings with black paint, Ramp side;
- Established one uniform speed limit and installed 10 mph speed limit signs, all levels of the Terminal 1 Parking Garage;
- Repaired bar area sink, Beers of the World, A Concourse;
- Repaired pipes and removed oxygen tanks, tires, trash and debris near Gate B7, Rampside;
- Patched multiple pavement breakouts near Gate C6, Rampside;
- Developed internal radio usage guidance for Airport Authority employees;
- Installed crosswalk and associated pedestrian signage between door MT-1090 and elevator T1-5, east end Terminal 1 Bag Room;
- Installed “Left Lane Only” signage on the existing clearance bars leading into the Terminal 1 roadway complex; added “Low Vertical Height Clearance Warning” verbiage to Tenant Construction Application (TCA); and installed four, large, amber flashing lights along the eastern face of a low clearance bridge, Arriving Flights Drive near Exit 18, Terminal 1;
- Installed two Stop Signs with corresponding Stop Bars at the eastern and western exits of the Airport Office Building (AOB) parking lot; installed five additional 35 MPH Speed Limit signs along Navaid Road;
- Developed “Bicycles on Airport Operations Area” policy strictly prohibiting the use of bicycles on the Ramp or Airfield. (Official policy provided on Page 10.);
- Replaced door handles on three fire hose boxes, installed “Fire Extinguisher” signs on six fire hose boxes, installed “Fire Hose” sign on one fire hose box and removed one “Fire Extinguisher” sign in area without a fire extinguisher, T1 Bag Room.; and
- Installed new, large, reflective “Pull Forward” signs, T1, Departing Flights Drive.

STL SMS REPORTING: 2015 YEAR-IN-REVIEW

Reports by Outcome



Reporting Methods



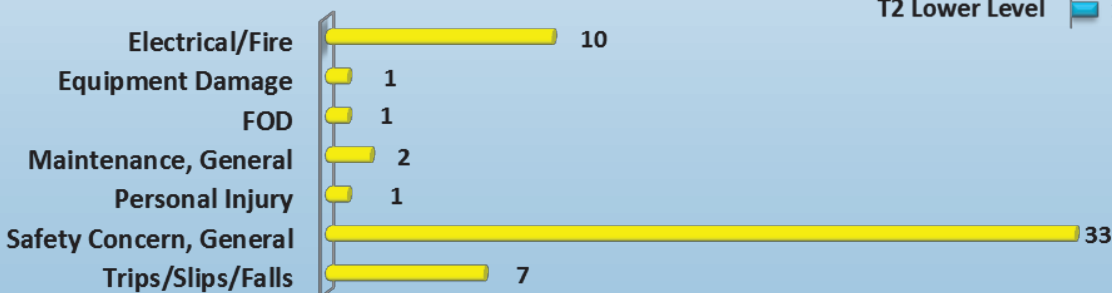
Reports by Entity



Reports by Location

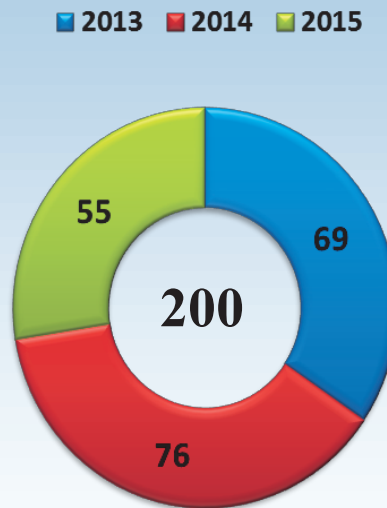


Reports by Hazard Type

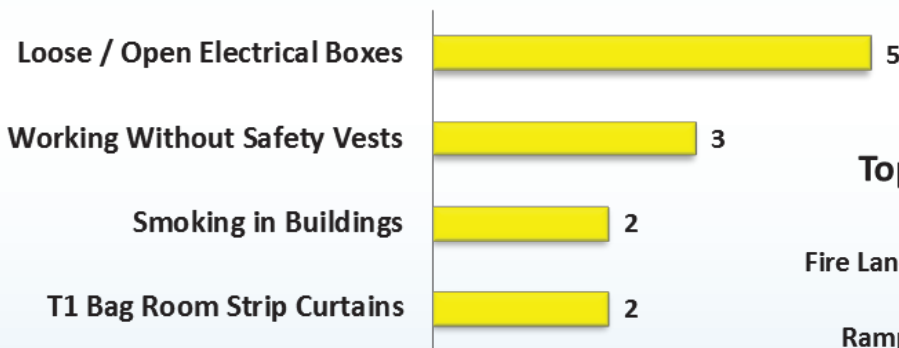


STL SMS REPORTING: COMPARISON & TRENDING

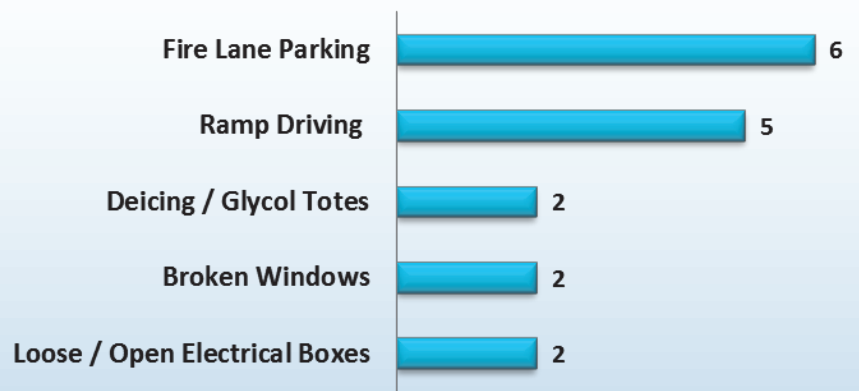
Total Reports Received by Year



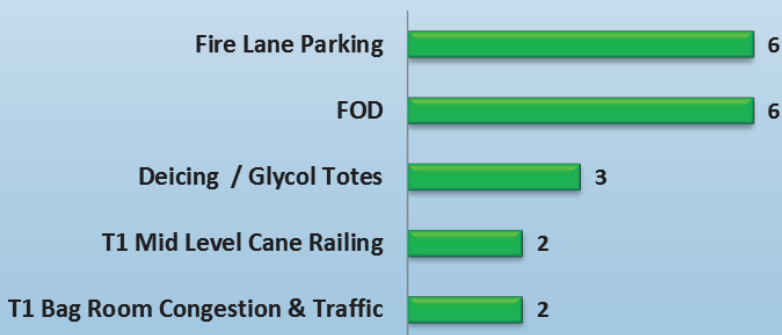
Top Reported Concerns 2015



Top Reported Concerns 2014

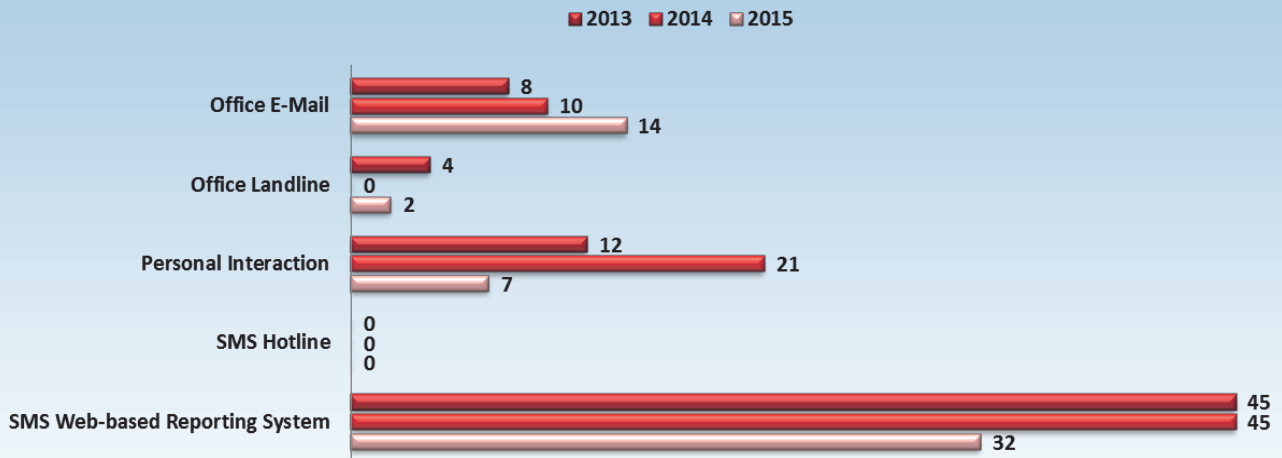


Top Reported Concerns 2013

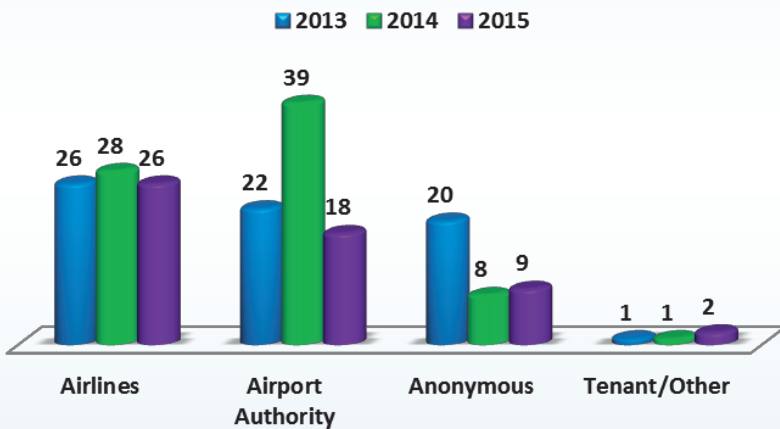


STL SMS REPORTING: COMPARISON & TRENDING

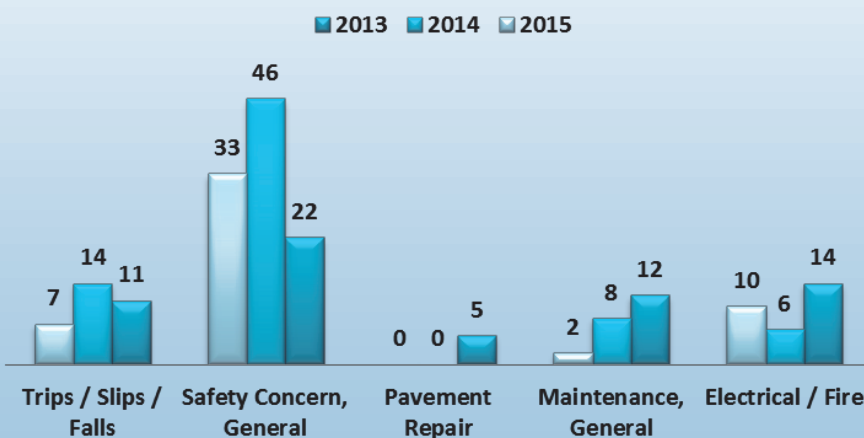
Reporting Methods



Reports by Entity



Reports by Hazard Type



SMS EXECUTIVE COMMITTEE MEMBERS

Rhonda Hamm-Niebruegge / Airport Director

Ron Stella / Deputy Director
Operations & Maintenance

Jerry Beckmann / Deputy Director
Planning & Engineering

Antonio Strong / Deputy Director
Finance & Administration

Dave Kulinsky / Assistant Director
Operations & Maintenance

SMS STANDING COMMITTEE MEMBERS

Cpt. Mike Dean / ARFF

Vaughn Desha / Airfield Maintenance

Lt. Stacey Link / Airport Police Department

Harry Moore / Engineering

Glenn Pudlowski / Operations

Regina Reynolds / Finance

Kat Ruth / Risk Management

Steve Shoemaker / Safety (Employee)

Jan Titus / Planning

FOREIGN OBJECT DEBRIS (FOD)

FOD prevention requires a team effort and this year's *FOD Brigade* did just that. On Saturday, June 20, 2015, a dedicated team of 26 Airport, Airline, Contractor and FAA volunteers, supported by Airfield Maintenance personnel, participated in the third annual STL FOD Walk. This year's FOD Walk focused on Terminal 2, with the *Brigade* working between Gate E2 and Gate E33. Using brooms, dust pans, shovels, and good old-fashioned elbow grease, the *Brigade* picked up FOD around jersey walls, near vehicles and equipment, inside the new Terminal 2 bag drop area and all gate areas in between. The *Brigade's* efforts paid off as they removed numerous bags of trash, wooden pallets and other items all in an effort to make STL a safer place to work and operate.



After the Walk, volunteers were once again treated to lunch generously sponsored and prepared by Delta Air Lines.

Special recognition and thanks goes to following three-peat FOD Walk volunteers: **Sheila Nevels/Airport Authority** and **Sharon Stone/Airport Authority** for their dedication to aviation safety.

This year's FOD Walk was generously supported by **Delta Air Lines, Inc.**, **HMSHost**, **Southwest Airlines Co.** and **Lambert-St. Louis International Airport**.

MINI FOD REMOVAL OPERATIONS



The Airport is committed to eliminating Foreign Object Debris (FOD) on the Ramp. In addition to the 3rd Annual FOD Walk, described on Page 7, STL conducted numerous “mini” FOD removal operations including:

- Removal of 90+ tires, metal shelving units, trash and debris from the unenclosed space in Cargo City;
- Removal of a desk and pallets near Gate D2;
- Removal of concrete barrels near Gate D14;
- Removal of a large container of landscaping pavers near Gate D4; and
- Removal of leaves and debris from the compactors at Gate D6 and Gate E40.

A special thanks to Airfield Maintenance, Building Maintenance and Fleet Maintenance for their FOD removal assistance throughout the year.

PALLET PARKING

As part of the Airport’s overall Foreign Object Debris (FOD) reduction plan, on March 13, 2015, STL launched the Airport-wide wooden pallet pick-up and recycling program, officially called *Pallet Parking*. Three (3) designated *Pallet Parking* locations were established on the south side of the airfield. Airlines and other tenants were responsible for staging pallets in the designated *Pallet Parking* locations. Airport Airfield Maintenance monitored the *Pallet Parking* locations, and coordinated pallet removal.



The Program has been a huge success: **853** pallets were collected in 2015. Pallets in good condition were recycled; pallets in poor condition were turned into mulch.

Thank you all for your participation and we look forward to another successful *Pallet Parking* year in 2016.

THANK YOU!



FOD-prevention requires a year-round team effort. Your efforts to limit the occurrence of FOD through pro-active action have paid off. Over the past few years, we have noticed an increased focus on FOD prevention and removal along with a significant reduction in trash and debris on the Airline Ramp, resulting in real improvement. Thank You!

EYE ON THE INDUSTRY



To stay on top of upcoming trends in the ever-changing industry of aviation, STL SMS participated in the following meetings and events:

January 2015: AAAE Ops, Safety, Planning & Emergency Management Committee conference call (regulatory update).

February 2015: STL Surface Movement Guidance & Control Systems (SMGCS) Plan Review meeting.
AAAE SMS Industry-wide Working Group conference call (regulatory update).

April 2015: STL Annual Table Top Exercise – Structural Fire Drill
Southern Illinois University-Carbondale (SIUC) SMS Workshop
AAAE SMS Industry-wide Working Group conference call (regulatory update).

June 2015: AAAE SMS Industry-wide Working Group conference call (regulatory update).

AAAE Ops, Safety, Planning & Emergency Management Committee meeting (regulatory update).

July 2015: Airport-wide Property Insurance Inspection.

August 2015: AAAE SMS Industry-wide Working Group conference call (regulatory update).

September 2015: AAAE SMS Industry-wide Working Group conference call (regulatory update).

October 2015: AAAE Ops, Safety, Planning & Emergency Management Committee meeting (regulatory update).

December 2015: AAAE Ops, Safety, Planning & Emergency Management Committee meeting (regulatory update).

STL CONTACT NUMBERS



AIRPORT FIRE DEPARTMENT

(314) 426-8133*
*Emergency Line



AIRPORT OPERATIONS CENTER

(314) 426-8040



AIRPORT POLICE & EMS

(314) 426-8100



LAMBERT-ST. LOUIS INTERNATIONAL AIRPORT®

MEMO

Rhonda Hamm-Niebruegge
Director

TO: All Tenants and Contractors
FROM: Ron Stella, Deputy Director – Operations & Maintenance
CC: Airport Operations, Airport Police, Security Ops, SMS
DATE: 09/01/2015
SUBJECT: Bicycles on Airport Operations Area

Recently, we have observed occurrences of tenants riding bicycles field side, on the airport operations area of the airport, presumably commuting to and from their work location. St. Louis County Code of Ordinances stipulates that the field side of Lambert – St. Louis International Airport is not designated for public vehicular traffic, or for other public use, except for the boarding and leaving of aircraft, and for commercial aeronautical activity. Airport tenants and contractors commuting to and from their home to work location, or between different work locations, is a public activity, and not permitted on the field side of the airport.

Further, as defined by St. Louis County Ordinance, only vehicles authorized by the Airport Authority are permitted on the airport operations area of the airport. **Bicycles are not authorized by the Airport Authority and are strictly prohibited from the field side or ramp side of Lambert – St. Louis International Airport.**

We encourage those employees that wish to commute to the airport on a bicycle to park and lock their bike up on the airport provided bike racks at the Terminal 1 and Terminal 2 loading docks. We are not opposed to adding more bike racks where there is demand and appropriate, however, bikes must stay off the ramp and kept exclusively to the landside portion of the airport.

Lambert – St. Louis International Airport is required by Federal Aviation Regulations to develop procedures and regulations to ensure the safe operation on the airport, for the safety of aircraft, drivers and personnel.

The airport is required to enforce the rules and regulations and have a system in place for the consequences of non-compliance, including penalties for violations and revocation of airport issued identification. Airport badge holders that have been granted Security Identification Display Area (SIDA) privileges must follow the Airport’s rules and regulations, and **keep bicycles off the ramp, or risk having their STL airport identification privileges revoked.**

Please distribute this policy, and consequences of non-compliance, to all applicable employees at your company. If you have any questions on this policy, please contact me or Airport Operations at 314-426-8040.

Thank you for your assistance.

Ronald J. Stella
Deputy Director – Operations & Maintenance, Lambert- St. Louis International Airport