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THE STATE OF MINNESOTA PROVIDES THIS TECHNICAL BULLETIN IN THE INTEREST OF AVIATION SAFETY AND TO PROMOTE AERONAUTICAL PROGRESS IN THE STATE AND THE NATION

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Preparation For Summer Flying Activities

by Jay Hietpas

Assistant Director of Aeronautics

With summer finally here, we can all look forward to the beautiful days that are the validation for why many people live here. The beauty that is in Minnesota seems boundless, and the best way to see it is by air. Flying



Jay Hietpas

also provides opportunities for aviators to share the excitement and beauty of flying with those who may not have had that opportunity or experienced flying previously. I urge you to take advantage of the great flying weather as often as you can and go see our beautiful state.

I want to take this opportunity to say thank you to the many aviation people I have had the opportunity to meet and work with. As my time at the Office of Aeronautics comes to an end, I can say that it has truly been an enjoyable experience that has significantly broadened my knowledge

of transportation on the aviation side of the house. It was moving for me to experience the passion for aviation that I see in nearly everyone I meet. Thanks for your support, cooperation, patience, and friendship. I really do appreciate that very much.

I want to reassure you that during this transition period as the new director steps in, your Office of Aeronautics staff will continue to work hard for you. They are very dedicated, passionate aviation people like you, and they are ready to help you.

Thanks again! □

Cassandra Isackson Named New Director of Minnesota Aeronautics

ST. PAUL, MINN. – Tim Henkel, Assistant Commissioner of Modal Planning and Program Management for the Minnesota Department of Transportation (MnDOT),

announced recently that Cassandra Isackson, a 15-year veteran with



Cassandra Isackson

MnDOT, has been chosen as the new Director of Aeronautics. She began her new position officially April 24, 2013. Jay Hietpas, the Interim Director, will remain at Aeronautics for a short period of time to assist Isackson in the transition.

Cassandra Isackson began her career working for the Alabama Department of Transportation in Materials and Tests. She received her Bachelor of Science in Civil Engineering from the University of Alabama. Isackson is a

registered professional engineer in the state of Minnesota.

Isackson's most recent position has been as the Director of the Office of Transportation Data and Analysis (TDA). She has served in various roles throughout MnDOT including the Office of Traffic, Safety and Technology, the MnDOT Metropolitan District Traffic Office, the Office of Project Management and Technical Support, and Materials and Road Research. □

The Value of Aviation In Minnesota

General Aviation is defined as all flights other than military and scheduled airlines.

- General Aviation contributes more than \$150 billion to the U.S. economy annually and employs more than 1,265,000 people.

- General Aviation has a \$12.2

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billion impact on the state of Minnesota through its network of 135 public airports.

- General Aviation has created 164,900 jobs in Minnesota, and provides more than \$6.5 billion in labor income annually.

- In the U.S., General Aviation aircraft fly almost 24 million hours and carry 166 million passengers annually.

- There are nearly 4,000 paved General Aviation airports open to the public in the U.S. By contrast, scheduled airlines serve fewer than 500 airports.

- Over two-thirds of all the hours flown by General Aviation aircraft are for business purposes and General Aviation is the primary training ground for most commercial airline pilots. □

Rain, Floods & Thunderstorms... The potential is there...

Flooding can occur in almost every part of the U.S. and during any month. In 2012, 39 percent of flood fatalities occurred from *driving* into flood water and 18 percent from *walking* into it. The reason so many people drown during flooding is because few of them realize the incredible power of water.

It only takes six inches of water to knock over an adult or cause loss of control of a vehicle. Twelve inches (1 foot) of water will float many vehicles and only two (2) feet of rushing water will carry them away, including pickups and 4000 pound SUVs.

Each year, more deaths occur due to flooding than from any other severe weather-related hazard. The Centers for Disease Control report that over half of all flood-related drownings occur when a vehicle is driven into hazardous flood water. The next highest percentage of flood-related deaths is due to walking into or near flood waters. Why? The main reason is people underestimate the force and power of water. Many of the deaths occur in automobiles as they are swept downstream. Of these drownings, many are preventable, but too many people continue to drive around the barriers that warn you the road is flooded.

The depth of flood water is not



Dan McDowell

always obvious. *It can be especially hard to judge at night.* The best option is to play it safe and turn around. If you're driving or walking and encounter flood water, turn around. Don't drown.*

In locations throughout the U.S., summer thunderstorms can produce localized flash floods and significant ponding in a very short period of time. Heavy rains and downpours can easily and quickly produce enough water to drive small rivers and streams well over

their banks for a short, but significant period of time. Thus, even driving to the airport or anywhere during a thunderstorm, can pose hazards, like flooding and lowered visibilities that must be taken seriously.

Clearly for pilots, there is nothing good about thunderstorms. The most general type (as opposed to a severe thunderstorm) can still bring heavy rain, lightning, and possibly hail. The thunderstorm doesn't even have to be over the airport or in the approach or departure path to be a significant hazard to aviation. Any thunderstorm can hold the potential to toss hail out of its updraft or anvil for inordinate distances. Additionally, lightning can strike 15 or more miles away from the parent thunderstorm.

Of course there are other dangerous elements associated with a thunderstorm including low-level winds and wind shear associated with storm outflow and gust fronts. Deteriorating visibility associated with lowering ceilings and rain showers are also hazards associated with thunderstorms. That is why they must always be taken seriously. The potential is there...

**EDITOR'S NOTE:* Thanks to www.USA.gov, and www.noaa.gov for the above important information. □

LET'S FLY & DINE

JK Flyers Restaurant At St Cloud, Back In Business

ST. CLOUD, MINN. – Jeff Keller's airport restaurant, "JK Flyers," is back and doing better than ever.

The restaurant opened just after the city unveiled a \$5 million, 9,000-square-foot expansion at St. Cloud Regional Airport – just before the Delta-Northwest merger that resulted in St. Cloud losing daily air service out of St. Cloud.

But after two years of waiting and the inauguration of new airline service by Allegiant Air two days a week, people are back at the airport and they're hungry.

JK Flyers' menu offers breakfast and 17 burgers, salads, appetizers, kids meals, and Keller's favorite, the "Philly Cheese Steak." "The burgers are the best in town," says airport director, Bill Towle.

When you arrive at St. Cloud Regional Airport, park your plane on the general aviation ramp at St. Cloud Aviation, enter and exit the building, then walk the short distance to the terminal.

JK Flyers is open 7 days a week from 9:00 am to 1:00 pm and three hours before all scheduled airline flights. For more information call 320-252-5058. □