



TVY ILS UPDATE

The Tooele Valley Airport instrument landing system (ILS) approach procedure has been flight tested and published. The local FAA navaid maintenance office has determined that it must meet ICAO standards for remote monitoring prior to commissioning. Until the agency can determine how to fund and install that capability, the system will remain out of service.

The ILS frequency in the current published approach plates is wrong... it is not 111.15 as published. The actual frequency is **108.90**.

GA BBQ DATE FIRM

September 27, 2008 has been selected as the date for the annual SLCDCA sponsored General Aviation Barbeque at Airport #2. This year it is scheduled to be held in Mark Losee's Alta Aircraft Maintenance hangar at 1:00 PM. Fire extinguisher inspection and servicing will be available near the hangar doors for a fee beginning at 11:00 AM.

U42 CONSTRUCTION

The contract has been awarded for U42 utilities infrastructure construction. Part of taxiway A between Farrell Davis' hangar north to the intersection of A and B taxiways will be closed during construction. A NOTAM will be issued and it will be barricaded and clearly marked. Tenants in rows A, B, C, and D will have to taxi to and from their hangars via the access near the plane wash during the two month construction period. A drawing of the affected area will be posted on the http://www.slairport.com/general_aviation.html, or the www.uaoa.org websites.

THE AVGAS HAZARD... Think of it as a deadly material

By Chester Peterson, Jr. and Erik Peterson, reprinted from Private Pilot

When my son hollered at me as I reached to drain the fuel sump on my Mooney, the urgency in his voice took me by surprise. The only other time I'd heard that tone from him at the airport was years ago when he spotted a rattlesnake coiled mere inches from my right foot as I heaved the hangar door open.

In both cases, I immediately jumped back from the spot where I was standing. I wondered if he'd seen another rattler. Nope... Well what then?

For the past couple of years, draining the fuel sump on the Mooney required shoving a small screwdriver into the petcock to start the 100 octane, low-lead avgas flowing-down the handle of the screwdriver and onto my hand, usually soaking me from fingertips to elbow. That's exactly what worried my son.

Lots of people routinely use gasoline to clean the grease and grime off their hands after a dirty day in the shop, I told him. What's so bad about a little avgas on your hand anyway? Plenty, my son told me. Avgas is chock full of chemicals that have been proven to cause a variety of health problems.

My son knows what he's talking about. After three years with the Kansas equivalent of the Environmental Protection Agency, he is now employed by a consulting firm that specializes in environmental matters. His area of expertise is fuels and how they affect the environment and the people who handle them.

He explained that being so cavalier with avgas - or any fuel/petroleum product, for that matter - was akin to playing Russian roulette with five loaded cylinders instead of one. After returning home, he sent me a pair of special gloves with an admonition to wear them while checking the fuel sump and even while adding a quart of oil. He also sent me some studies to read. My son's interpretation of all these studies... "Continually using petroleum products while unprotected can lead to an early death at just about the time you're ready to retire and enjoy life."

Petroleum products are hydrocarbon-mixtures of several elements, some of which are extremely carcinogenic (cancer-causing) in their pure forms. One example is benzene, which is a component of avgas. Like all hydrocarbons, it is rapidly absorbed through the skin and can adversely affect the central nervous system. In the 1970's, concerns about its ill effect led the major fuel refineries to modify solvent mixtures that contained benzene.

--SAFETY FIRST--

Do **NOT** Store Fuel or Operate
Open Flame Devices or Heaters
Inside of Hangars!

An extensive Canadian study of 3,726 cancer patients led to some very disturbing conclusions about connections between cancer and various petroleum products. According to the study, prolonged, unprotected exposure to avgas, mineral spirits, diesel fuel, lubricating oils, cutting fluids, other mineral oils, and hydraulic fluids are linked with various types of cancer.

Following a complex statistical analysis, researchers found that avgas had a greater potential than jet fuel to cause health problems.

Avgas differs from automotive gasoline in its higher content of alkylate naphthas. Unleaded automotive gasoline contains approximately 20% alkylate: leaded gasoline is usually formulated with two lead-scavenger additives, dichlorethane (ethylene dichloride) and dibromoethane (ethylene dibromide.) Both of these compounds are known mutagens, which means they've been found to induce tumors.

The bottom line: Nearly all hydrocarbon-based liquids have proven to be carcinogenic over long periods, whether exposure to them is low or high.

Inhaling gasoline vapors, stated one EPA study, can significantly increase the possibility of kidney and liver cancer. The study also reported that there are carcinogens in diesel exhaust fumes that are even more dangerous (they were associated with lung cancer) than those contained in the exhaust from gasoline-powered engines.

An EPA study of auto mechanics showed that they had a significantly excessive rate of mortality from cancer of the esophagus and respiratory system. The same results were found for fuel, oil and gas truck drivers, service station attendants, refinery workers and farmers who work daily with petroleum products without protection.

The good news though is that these are things you can do to protect yourself against the long-term effects of casual exposure to petroleum products. Don't get petroleum products on your hands if you can possibly avoid it. This includes while checking sumps, refueling, cleaning and rinsing parts off in a pan of gasoline or kerosene. Use soap and water or a waterless hand cleaner to immediately remove any petroleum product that contacts your skin.

Whatever you do, don't use gasoline or similar solvents to remove oil or grease from your skin. Instead, buy (and wear) a pair of hydrocarbon-resistant gloves; they're an inexpensive investment at only \$5 to \$10 a pair.

Avoid inhaling petroleum-product vapors by keeping your work area clean and well-ventilated. Promptly clean up any spills. You might even go as far as to buy a half-face respirator that uses hydrocarbon absorbing filters. Prices range from \$19 to \$50.

As you can see, it doesn't take a lot of time, money or

HELPFUL POINTS OF CONTACT

For GA operational, facilities maintenance, aviation newsletter, airfield, and SLC Title 16 questions call: Steve Jackson, SLCDA General Aviation Manager, 647-5532 or e-mail at steve.jackson@slcgov.com.

For hangar lease and repair questions call: Mike Rawson, Properties and Contracts Specialist, at 575-2894 or e-mail at mike.rawson@slcgov.com.

For aviation security questions call: Connie Proctor at 575-2401.

For gate access problems call: Airport Control Center at 575-2401.

For emergencies call: at SLCIA, 575-2405
at TVY or U42, 911 then 575-2405

For common General Aviation information call the GA Hotline: 575-2443

effort to protect yourself from the hazards of exposure to petroleum products. What it does take is an awareness of the danger and commitment to change some old habits. Your health is worth that much, isn't it?

We thought that this article was worth re-printing because recently an acquaintance (who is employed at an FBO in Utah) scratched a small and itching shaving cut on his chin while refueling an aircraft. He had avgas on his hand at the time. The result...? An inflamed jaw, a week of hospital visits, I.V.s every eight hours, follow up visits, time off from work, not to mention the expense and discomfort!

Please use caution and treat Avgas like it is ...POISON!

We sometimes feel like everything is being classified as dangerous and that the environmental and health people are exaggerating the dangers of exposure. Seems like the prudent and easy thing to do to follow suggestions of health professionals when they advise caution in working with "everyday" chemicals and carcinogenic products. Many of us deal weekly with exposure to avgas, lubricating oils, jet-A, and a variety of other petroleum products.

Mama always said, "Better safe than sorry." Maybe now is a good time to listen to mama's advice.

UPCOMING EVENTS

Leading Edge Aviation in Logan (LGU) holds a monthly breakfast on the 2nd Saturday of every month 8:00 a.m. – 10:00 a.m. in the hangar. Leading Edge also operates a facility at Salt Lake City International Airport. They'd enjoy seeing you there!

Air Center of Salt Lake, the FBO at Airport #2, is hosting its summer Fly-in and Barbeque again. Dave Coats invites everyone to get a little flight time, see Utah's great scenery, and come eat some great food and visit with pilot friends and family at their West Jordan hangar the first Thursday of each month between 5:00 and 7:00 p.m. all summer long. For more information visit www.aircenterofsaltlake.com.

Have a safe and enjoyable summer of flying!

