



Special Event Permit

2023-11

Event Information

Event Name: **Cherry Peak Concert Series - Starship**
 Event Type: Concert
 Event Date(s): August 18, 2023

Promoting Entity: Cherry Peak Resort, LLC
 Applicant: John Chadwick
 Phone: 435-890-7828
 Email: john@skicherrypeak.us

 
 Denied by: Land Use Authority Date

Reason(s) for Denial

1. Cache County Fire District Fire Chief Rod Hammer, cites in the attached memo that due to the extreme danger or threat to the public health, safety or welfare, to the public due to the risk of extreme fire danger the special event permit must be denied (Section 8 – Health & Safety Code, subsection 8.40.060.C)

CACHE COUNTY FIRE DISTRICT

Rod Hammer
FIRE CHIEF

Jason Winn
DEPUTY CHIEF



Rod Kearl
ASST. CHIEF

Ken Mathys
EMS ASST. CHIEF

1020 East 600 North, Hyrum, UT 84319 TEL: (435) 755-1670

To: Stephen Nelson
From: Rod Hammer
Date: August 14, 2023
Subject: Special Event permit for Starship concert at Cherry Peak

Per Section 8 Health and Safety, subsection 8.40.060-C, I am denying approval of the special event permit application for the Starship concert that is proposed to be held at Cherry Peak on August 18, 2023 due to the significant danger or threat to the public health, safety or welfare, to the public due to the risk of extreme fire danger. We have previously agreed that special event permits will be revoked when the following conditions are met:

1. The State of Utah enacts a Fire Restriction Order. This occurred on July 21, 2023.
2. Live fuel moistures measured in Cherry Peak canyon are less than 125%. Current fuel moistures are 108% for maple and 113% for sage. Measurements were taken on Sunday, August 13 and testing completed on August 14 by staff from Utah Forestry, Fire and State Lands. (see attached report)
3. Temperatures forecast for the day of the event are at or above 90 degrees. As of Monday, August 14, temperatures are forecast for 90 degrees.

Should a fire start under these conditions, it is my professional opinion and the opinion of the Utah Forestry, Fire and State Lands Fire Management Officer that we will not be able to evacuate or protect the lives of the public who attend this concert.

Sincerely,

Rod Hammer
Fire Chief

Live Fuel Sampling Process and Results for Cherry Peak Ski Resort

Location: Richmond WMA (41° 55.8579' , -111° 46.6268')

Date Sampled: 08/13/2023

Fuels Sampled: Sagebrush and Canyon Maple

Observer: Cache County Fire Warden Dallin Bodrero

Process and Explanation:

Upon request of Cache County Fire Chief Rod Hammer fuel samples were collected in the area of the Cherry Peak Ski Resort to establish the condition of wildland fuels. Live fuel moistures are strong indicators of potential fire behavior and influence decision making of fire managers at all levels.

The process for sampling and determining the moisture content of fuels is defined by NWCG standard PMS 437. Samples are taken during a time of day when dew or other water drops are not present and in an area that is representative of the general area. Multiple samples of each fuel type were collected and placed in metal tins. The tins are weighed shortly after sampling, placed in an insulated container and then placed in a drying oven with the lids removed. After 24 hours at 100°C each container is removed and weighed again with the lid. Upon recording the wet weight, dry weight, and tare weight of the container water content is established using the following formula:

$$\% \text{ Moisture Content} = \frac{\text{wet weight of sample} - \text{dry weight of sample}}{\text{dry weight of sample} - \text{container tare weight}} \times 100$$

On August 13, 2023 samples of sagebrush and maple were taken near 11000 North on the Richmond WMA. This area was chosen as it reflects the fuels and conditions of the surrounding area, as well as the areas of most concern (i.e. road sides). Care was taken to only sample live materials and remove any debris that could influence outcomes. The sampling took place at 1400 and consisted of three containers of each material sampled. Samples were then transported to the oven by 1530. Each step was in-line with PMS 437.

Results were determined on August 14, 2023. The samples were removed at 1530 and weighed. Following the formula above live fuel moistures in the sage were 113% and 101% in the maple. These numbers reflect a "high fire behavior", meaning firefighters could experience difficulty in suppressing fire. Upon completion of the sampling process results were reported the Chief Hammer.

Appendix C

Fuel Moisture Content Form - Electronic version on EGBC website

Agency <i>FFSL</i>		State <i>Utah</i>		Field Office			Site Name/Number <i>Cherry Pk.</i>	
Collection Record				Moisture Determination Record				
Observer <i>Boedervo</i>		Date <i>08/13/23</i>	Time <i>1400</i>	Observer <i>Boedervo</i>		Date in oven <i>08/13/23</i>		Time put in oven <i>1530</i>
Container Number	Species (Live)		A	B	C	D	E	F
	Size Class (Dead)		Gross Weight		Tare	Water	Dry	Percent
			Wet	Dry	Weight	Weight	Weight	Moisture
<i>5</i>	<i>Maple</i>		<i>42.5</i>	<i>38.9</i>	<i>35.5</i>	<i>3.6</i>	<i>3.4</i>	<i>105</i>
<i>7</i>	<i>"</i>		<i>41.3</i>	<i>38.3</i>	<i>35.1</i>	<i>3</i>	<i>3.2</i>	<i>94</i> (101)
<i>10</i>	<i>"</i>		<i>42.3</i>	<i>38.7</i>	<i>35.3</i>	<i>3.6</i>	<i>3.4</i>	<i>105</i>
<i>3</i>	<i>Sage</i>		<i>47.3</i>	<i>41.1</i>	<i>35.6</i>	<i>6.2</i>	<i>5.5</i>	<i>112</i>
<i>1</i>	<i>"</i>		<i>46.5</i>	<i>40.9</i>	<i>36</i>	<i>5.6</i>	<i>4.9</i>	<i>114</i> (113)
<i>2</i>	<i>"</i>		<i>47.6</i>	<i>41.4</i>	<i>35.9</i>	<i>6.2</i>	<i>5.5</i>	<i>113</i>
Sample Material Collected				Calculation Summary				
Live Fuels <input checked="" type="checkbox"/>		Dead Fuels <input type="checkbox"/>		A - B = D		B - C = E		(D/E) * 100 = F
				Average of Samples =				
Weather (Optional)								
Dry Bulb _____			RH _____ %		Wet Bulb _____		Cloud Cover _____	
Please update the fuel moisture webpage with your latest fuel moistures: http://smoke-fire.us/fm/NFMD/index.php			Remarks:					