



Solitude
MOUNTAIN RESORT

12000 Big Cottonwood Canyon
Solitude, Utah 84121

April 4, 2005

Loren Kroenke
DISTRICT RANGER
6944 South 3000 East
Salt Lake City, Utah 84121

**Re: Summer Maintenance Projects 2005
Summer Site Operating Plan 2005
Storm Water Pollution Prevention Plan (SWP3)**

Dear Loren:

Enclosed please find the Summer Site Operating Plan 2005, for your review. Two (2) additional signature pages are for your file copies.

We are beginning our mountain trail maintenance projects for this summer at Solitude. The projects on line are as follows:

1. Removal of dead trees impacting lift lines;
2. Trail brushing;
3. Maintenance of erosion control structures;
4. Biking/hiking trail reclamation and maintenance as necessary;
5. Tree thinning adjacent to Challenger ski run, consistent with Solitude's Forest Management Plan;
6. Implementation of a noxious weed abatement plan, supplemental to the Forest Vegetation Management Plan;
7. Completion of the snowmaking system as approved in the January 2002 USFS Record of Decision (ROD);
8. Construction of the Moonbeam Quad as approved in the January 2002 ROD (C10);
9. Expansion of the Moonbeam day lodge as approved in the January 2002 ROD (C5);
10. Widening of lower Easy Street by .25 acres as approved in the January 2002 ROD (F1);
11. Expansion of the western end of the Moonbeam parking lot by .49 acres as approved in the January 2002 ROD (C15); and
12. Pave the Moonbeam parking lot and repair the internal road between the parking lot and Last Chance Mining Camp as approved in the January 2002 ROD (C12).

Also enclosed, please find the Storm Water Pollution Prevention Plan (SWP3) for your review and comment. As required, we have provided the Notice of Intent and the SWP3 to the Division of Water Quality, and are awaiting their response. Additionally, we are submitting construction and grading plans to Salt Lake County as required.

Thank you for your consideration. Please contact me to discuss any aspect of the above. My phone number is (801) 536-5711.

Sincerely,



Mike Goar
VP Operations

If you only knew. www.solitude.com • 801.536.5711



June 28, 2004

Loren Kroenke
DISTRICT RANGER
6944 South 3000 East
Salt Lake City, Utah 84121


**Re: Summer Maintenance Projects 2004
Summer Site Operating Plan 2004
Storm Water Pollution Prevention Plan (SWP3)**

Dear Loren:

Enclosed please find the Summer Site Operating Plan 2004, for your review. Two (2) additional signature pages are for your file copies.

We are beginning our mountain trail maintenance projects for this summer at Solitude. The projects on line are as follows:

1. Removal of dead trees impacting lift lines;
2. Trail brushing;
3. Maintenance of erosion control structures;
4. Biking/hiking trail reclamation and maintenance as necessary;
5. Tree thinning adjacent to Challenger ski run, consistent with Solitude's Forest Management Plan;
6. Burying of the snowmaking pipeline as approved;
7. Grading of the Moonbeam Express lift terminal, as approved; and
8. Installation of the alternate tees and baskets on the Disc Golf course, as approved.

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3. **Snowmaking System-** The burial of snowmaking pipeline was authorized in the MDP Record of Decision. Please review p2-55, p2-36 & p2-37, Appendix C-9 & attachment 1 of the MDP as well as p16 of the ROD. Pre-construction surveys may be needed for certain plant species (ROD mitigation VEG-12). Follow the guidelines in our Ski Area BMP's technical guide with regards to snowmaking trenches, erosion control and reclamation. A weir and pump house were also authorized to be constructed adjacent to Big Cottonwood Creek and the vehicle maintenance building (MDP p2-37). Solitude is NOT AUTHORIZED TO PROCEED with the construction of the weir or pump house until further analysis is completed. A decision regarding the specifics of those two projects is expected by 8/1/2004. Please work with my staff and incorporate the following items in the design of those projects:

- a. The weir must incorporate the following four design elements: 1) The diversion structure should be able to pass minimum average monthly flows (2 cfs) that are listed in Appendix D of the Solitude EIS pD-22. 2) It should be designed to allow passage of aquatic animals through the structure. 3) Consider in the design, a structure that would inhibit beavers from building a dam and would allow woody debris (sticks and branches) to pass through it. 4) It should be able to pass a maximum flow which should be based on a correlation of the historic flow record at the USGS gaging Station #101689500 located at the mouth of Big Cottonwood Canyon to the site where Solitude would like to place the diversion.
- b. Two certified copies of the pump house design must be submitted and approved prior to construction.

All necessary permits must be obtained prior to construction. Please work with Tom Ward (SLC Public Utilities) on the design and construction of the pump house and provide us a copy of the design so that they can be reviewed by our Hydrologist.

4. **Moonbeam Grading-** The grading of the new bottom terminal for the Moonbeam lift was authorized in the MDP Record of Decision. Please review p2-30, figures 2-4 & 2-5 and Appendix C10 of the MDP as well as p8 of the ROD. Your Storm Water Pollution Prevention Plan was received for the 180 by 150 foot (approximate) disturbance area of the bottom terminal. Please implement this plan during construction. For tree removal related to this project see the above discussion regarding tree removal and brushing.
5. **Alternate Tees and Baskets-** The installation of alternate baskets and tee area definition was authorized in April 2004. Please review and implement the mitigation requirements outlined in the Decision Memo.

Additionally, these routine maintenance items are authorized:

6. **Road Maintenance-** One of the biggest contributors of sediment to the watershed are forest roads. Routine maintenance of roads, water bars and erosion control systems is authorized. We would encourage Solitude to maintain water bars a final time each fall. This would prepare the roads for the spring runoff and could help reduce emergency maintenance in the spring, potentially reducing costs. Re-vegetation of disturbed sites is authorized using USFS approved native seed mixes and certified weed-free straw. The

This lot would connect directly to SR 190. A low profile, double chair would provide access to the Eagle Express base area.

Total Skier/Day User Parking

Under Alternative 2, total parking for skiers, buses and other users (backcountry, Silver Creek residents) would be 14.67 acres, including 2.26 acres available to skiers in the Village. This total is about 3.18 acres more than was available at Solitude in 1994 and is intended to better serve other users (buses, high occupancy vehicles, backcountry, etc.) without sacrificing day skier parking. Approximately 0.49 acres of additional existing and proposed parking area would be devoted to mass transit drop-off/pick-up.

Highway Acceleration/Deceleration Lanes

Acceleration/deceleration lanes would be constructed on SR 190 within the UDOT right-of-way in the vicinity of the Moonbeam access road and the mass transit/high occupancy vehicle parking lot (Figure 2-5, C16). The Proposed Action, which has been reviewed, modified and accepted by UDOT, would incorporate the following:

- For westbound (downhill) traffic exiting the Moonbeam lot - a center acceleration lane of approximately 350 feet, plus 500 to 660 feet of taper into the existing single downhill lane;
- For westbound (downhill) traffic entering the Moonbeam lot - a center deceleration lane of approximately 200 feet;
- For eastbound (uphill) traffic entering the Moonbeam lot - a right-turning deceleration lane of approximately 300 feet, tapering from the existing uphill lane;
- For eastbound (uphill) traffic entering the mass transit/high occupancy vehicle lot - a right-turning deceleration lane of approximately 200 feet, tapered into the existing uphill lane.

The proposed downhill acceleration lane would improve egress from the Moonbeam lot and downhill traffic flows while the deceleration lanes would improve traffic flows by removing turning vehicles from the through lanes.

2.4.2.5 Snowmaking

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The existing snowmaking system would be expanded on public and private lands to provide snow coverage on up to 250 acres of trails and selected high-use areas of the mountain (Figure 2-3). Alternative 2 would include all snowmaking improvements described in Alternative 1 on private lands, including expansion of storage capacity in Lake Solitude. In addition, all existing above-ground piping (9,500 ft.) and an additional 10,000 feet of pipe would be buried on NFS lands. As in Alternative 1, it is recommended that no pipes be buried on the steep sections of