

Super-Kamiokande Dome Radon-Free Air System Shift Checklist for the 'RADON HUT'

Rev.: HGB, 24 May 2005

| Day of Week | Monday | Tuesday | Wed. | Thur. | Friday | Saturday | Sunday |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Your Initials | | | | | | | |
| Date (day-month-year) | __-__-__ | __-__-__ | __-__-__ | __-__-__ | __-__-__ | __-__-__ | __-__-__ |
| Time (hh:mm) | __:__ | __:__ | __:__ | __:__ | __:__ | __:__ | __:__ |
| Is the <u>main blower</u> running? (Can you hear the motor?) | running | running | running | running | running | running | running |
| | stopped | stopped | stopped | stopped | stopped | stopped | stopped |
| <i>If the main blower is <u>stopped</u>, please contact an expert. Maybe it is just stopped for maintenance or repair. Also, make a note in the shift logbook.</i> | | | | | | | |
| If blower was stopped, did you find an expert? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| Did the blower restart? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| Have you done this check before? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| If you have done this check before, do you notice any strange, unusual smells or noises? <i>If yes, please make a note in the shift logbook and contact an expert.</i> | noises | noises | Noises | noises | noises | noises | noises |
| | smells | smells | Smells | smells | smells | smells | smells |
| | others | others | Others | others | others | others | others |
| Are the oil levels in both oil windows (of the <u>main blower</u>) between 1/8 to 1/2 level? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| <i>If the <u>blower</u> is running and no oil is seen in one or both oil windows, please contact an expert immediately!!</i> | | | | | | | |
| Has oil been leaking onto the floor below the main blower? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| <i>If yes:</i> Has the oil puddle become bigger during the last days? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| On the control panel display, what is the current "Signet Water Flow" value [GPM = gallon per minute]? | _____ (GPM) | _____ (GPM) | _____ (GPM) | _____ (GPM) | _____ (GPM) | _____ (GPM) | _____ (GPM) |
| Is the water flow between 60...80 GPM? | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no | yes / no |
| <i>If the water flow is <u>below 60 GPM</u>, please contact an expert soon!</i> | | | | | | | |
| <i>Please close the door when you're done with the check. If the door was open a few inches when you arrived, please leave it that way again. Happy shift taking!</i> | | | | | | | |

Questions? Help? Please contact **Hans Berns**:
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The **Radon Hut manual** (latest version) is posted on the web at:
<http://www-sk.icrr.u-tokyo.ac.jp/~berns/SUPERK/RADON/rnmanual.html> or
<http://www.phys.washington.edu/~berns/SUPERK/RADON/rnmanual.html>

Printed versions of the manual should also be available in the shift rooms and radon hut, too.