

**401 Permit Decision-Making
Sea-Tac International Airport, Third Runway**

FINAL MEETING NOTES

LOW FLOW ANALYSIS

June 14, 2001

1:00 – 4:00

These final meeting notes have been prepared by Kate Snider, Floyd & Snider Inc.

ATTENDEES

Ann Kenny, Dept. of Ecology
John Drabeck, Dept. of Ecology
Kelly Whiting, King County
Keith Smith, Port of Seattle
Paul Fendt, Parametrix
Alan Black, HNTB
Michael Kenrick, Hart Crowser

MEETING SCOPE AND AGENDA

This meeting was scheduled as a follow-up to the 6/12 meeting regarding low stream flow related tasks. The purpose of the 6/14 meeting was to discuss miscellaneous additional technical issues raised by Ecology relevant to the low stream flow evaluation. Tasks requested in the low stream flow evaluation relative to these issues were identified.

ADDITIONAL TECHNICAL ISSUES RELATED TO LOW STREAM FLOW EVALUATION

1. Out of basin groundwater transfers to Walker Creek:
 - a. Check amount of effective impervious area used in the Walker Creek calibration process for the non-contiguous groundwater basin.
 - b. Confirm the calibration parameters used for the non-contiguous groundwater basin.
2. For post-project conditions, add new effective impervious area to the non-contiguous groundwater basin for Walker Creek to account for new impervious areas added by the project. The HSPF input file for Walker Creek should be replaced in the SMP and referenced from the low flow evaluation report.

Note: this work affects groundwater flow for the low stream flow evaluation. The change will not affect surface water flow control facilities.

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3. For the DesMoines Creek calibration – confirm the pervious area acreages used in the non-contiguous groundwater basin.
4. Need strong documentation regarding the rationale for the difference in embankment infiltration used in HSPF for surface water modeling versus embankment seepage modeling. This documentation should address the consistency of construction techniques for the embankment (including use of "tacifier") with the expected embankment infiltration rates.
5. Document water availability for filling reserve vaults if proposed for low stream flow mitigation.