BEFORE THE HEARING EXAMINER
CITY OF SEATTLE

In the Matter of the Appeal of:	Hearing Examiner File: **MUP-12-016(W)**
BRUCE STRUTHERS	
from a SEPA decision issued by the Director, Department of Planning and Development	DECLARATION OF MIKE HRACHOVEC

I, MIKE HRACHOVEC, do hereby declare:

1. I am a professional engineer and am employed by Natural Systems Design. I am the lead designer for the Meadowbrook Pond Detention Facility Dredging and Improvements Project. I make this declaration based on personal knowledge
2. I understand that, in the above-captioned appeal, the Appellant is requesting that a condition be imposed requiring enhanced instrumentation and monitoring of the operation of the pond, including flow rate monitors and temperature gauges at all inlets and outlets.
3. Flow rate monitors and temperature gauges with real-time monitoring output are typically used for facilities that are operated in a mode of continuous monitoring and adjustment such as wastewater treatment facilities. These facilities typically have

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corresponding controls to remotely alter elevations or operation of key hydraulic elements such as weirs, gates and valves and thus alter the flow rates through the various parts of the facility.

4. The Meadowbrook Pond facility has only fixed hydraulic control elements, including a bypass pipe with a concrete inlet weir and fixed steel grate, a concrete dike setting flow levels into the pond Cell 1, an opening in the concrete dam limiting the amount of flow out of the forebay down the main stem of Thornton Creek, a concrete overflow standpipe in Cell 2 to discharge in Lake Washington, and a concrete weir for flow out of Cell 3 into the main stem of Thornton Creek. None of these concrete hydraulic control elements have any adjustability to control flow rate, either through remote or on-site adjustments. The only adjustable element is the bypass pipe inlet grate, which was designed to be lifted up to allow debris to pass down the bypass pipe – I am not aware of an instance of this functionality being used.

5. There are no elements in the pond which can be mechanically adjusted to accommodate any issues related to temperature through the pond. The temperature data could be collected and periodically downloaded to give a historical record of temperature in various locations.

6. There are no elements in the pond which can be mechanically adjusted to accommodate any issues related to flow through the pond. The flow data could be collected and periodically downloaded to give a historical record of flow through in various hydraulic elements.

7. For the foregoing reasons, it is my opinion that imposing the condition sought by the Appellant would serve no practical purpose from the standpoint of continuously

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monitoring and altering the daily operation of the pond. The data which could be collected could serve as a record of water quality conditions within the pond.

I declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Executed this 13 day of August, 2012, at Seattle, Washington.

MIKE HRACHOVEC

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