EMCON
15055 SW Sequoia Parkway • Suite 140 • Portland, Oregon 97224 • **(503) 624-7200** • Fax (503) 620-7658

Elliot —
Julie —
JUL 24 1995
$ 300.00
CK 3700
NWR

July 3, 1995
Project 40388-015.029

Mr. Neil Mullane
Regional Engineer, Northwest Region
Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

Re: Request for 60-Day Special Discharge Permit

Dear Mr. Mullane:

On behalf of Intel Corporation (Intel), EMCON requests an additional 60-day special permit to continue discharge of treated groundwater to the storm sewer system at Intel's Aloha facility. The sewer leaves the site and passes eastward beneath SW 198th Avenue and empties into a ditch that eventually discharges to Beaverton Creek (see attached Figure 1).

The current discharge is under a special permit (Facility No. 41940) issued on May 9, 1995. Existing permit limits are 10 milligrams per liter (µg/L) for trichloroethene, 10 µg/L for vinyl chloride, 10 µg/L for 1,1-dichloroethane, and 100 µg/L for total volatile organic compounds (VOCs). VOCs have been below permit limits in all effluent samples collected to date. Results of system monitoring will be reported once the discharge is complete.

The treated groundwater is pumped from well EX-1 at approximately 2 gallons per minute. Groundwater pumping and treatment started on March 10, 1995. The groundwater is treated in an on-site 250-gallon diffusion aeration treatment tank, using a blower to inject air into perforated piping in the bottom of the tank. The air travels upward through the water in the tank, removing VOCs from the water. VOCs have been detected in site monitoring wells, including up to 200 µg/L of trichloroethene, up to 400 µg/L of 1,1-dichloroethane, and up to 100 µg/L of vinyl chloride

A check for $300 to cover the fee for the 60-day permit is included with this letter. Please call Brian Kier or myself if you have questions.

Sincerely,

EMCON

Russ Bunker

Russ Bunker
Senior Project Geologist

Attachment: Figure 1

Enclosure: Check

cc/att: John Arand; Intel, Hillsboro, Oregon
Ralph Moon; HSA Environmental, Inc.
Kathleen Caldwell; USA, Hillsboro
Jim Romer; EMCON, Portland

Fiscal Office
Dept. of Environmental Quality
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JUL 21 1995

DEPT OF ENVIRONMENTAL QUALITY
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NORTHWEST REGION

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EMCON
15055 SW Sequoia Parkway • Suite 140 • Portland, Oregon 97224 • **(503) 624-7200** • Fax (503) 620-7658

MAY 5 1995 NWR
$300.00
CK 3595

May 3, 1995
Project 0388-015.029

Mr. Neil Mullane
Regional Engineer, Northwest Region
Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED
MAY 05 1995
NORTHWEST REGION

Re: Request for 60-Day Special Discharge Permit

Dear Mr. Mullane:

On behalf of Intel Corporation (Intel), EMCON requests an additional 60-day special permit to continue discharge of treated groundwater to the storm sewer system that receives storm water from Intel's Aloha facility. The sewer passes eastward beneath SW 198th Avenue and empties into a ditch that eventually discharges to Beaverton Creek (see attached Figure 1).

The system is currently operating under a Special Permit (Facility No. 41940) issued March 10, 1995. Existing permit limits are 10 µg/L for trichloroethene, 10 µg/L for vinyl chloride, 10 µg/L for 1,1-dichloroethane, and 100 µg/L for total VOCs. VOCs have not been detected in two system effluent water samples collected. Results of system monitoring will be summarized in a separate report.

Volatile organic compounds (VOCs) have been detected in site monitoring wells, including up to 200 micrograms per liter (µg/L) of trichloroethene, up to 400 µg/L of 1,1-dichloroethane, and up to 100 µg/L of vinyl chloride. Total halogenated VOCs in the treatment system influent water are expected to be less than 1,000 µg/L.

The interim groundwater extraction system extracts groundwater from well EX-1. The system was started on March 10, 1995. Groundwater is treated in an on-site 250-gallon diffusion aeration treatment (DAT) tank, using a blower to inject air into perforated piping in the bottom of the tank. The flow rate is approximately 2 gallons per minute, providing a retention time of approximately 2 hours.

Fiscal Office
Dept. of Environmental Quality
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A check for $300 to cover the fee for the 60-day permit is included with this letter. Please call Brian Kier or myself if you have questions.

Sincerely,

EMCON

James R. Romer, P.E., R.G.
Senior Project Engineer

Attachment: Figure 1

Enclosure: Check

cc/att: John Arand; Intel, Hillsboro, Oregon
Ralph Moon; HSA Environmental, Inc.
Kathleen Caldwell; USA, Hillsboro
Russ Bunker; EMCON, Portland

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Effective Date	Fee Rcvd Date	Reviewer	Details of Permit Issuance...
09-MAY-95		EJZ	TREATED GROUNDWATER FROM EXTRA
Fee	Region	+10-MAY-95-+	
$300.00	NWR	|OPS$JLS |	
		+----------+	
11-JUL-95	30-JUN-95	EJZ	TREATED GROUNDWATER FROM EXTRA
		+20-JUL-95-+	
$300.00	NWR	|OPS$JLS |	
		+----------+	
		+ -+	
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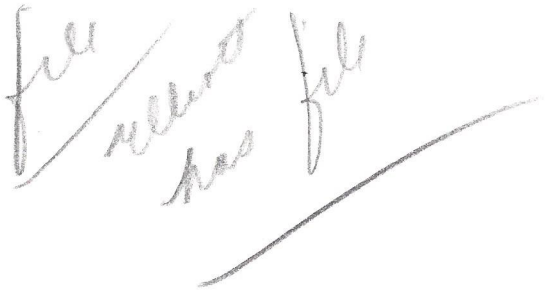
		+----------+	



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