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External Appendix A
for EHS-00072 SPEC FOR LIFT STATIONS

COMPLETE LIFT STATION LIST

REVISION

Rev No.	DCN No.	Change Summary	Release Date	DCN Initiator	Document Owner
1	DCN1000	Initial Release	11-13-13	K. Brust	R. Segura

Prior revision history, if applicable, is available from the Document Control Office.

1 PURPOSE

The purpose of this document is to establish a complete list of lift stations installed at the College of Nanoscale Science and Engineering.

2 SCOPE

This specification is limited to lift stations installed in clean rooms, labs and chemical support rooms and does not cover facility support areas, such as waste water treatment or where fire water retention is required.

CNSE Complete Lift Station List

Building	Column Location	What it is connected to (Tool such as CNW02 or MAU #5)	Does it have water?	Is water required?	Needs water installed?	# of Pumps	Secondary Containment	Leak Detector in Secondary Containment?	Exhausted ?	Owner	Type of Lift Station
NFC	T13	LGW03 Acid Waste	Yes	Yes	No	1	Yes	Yes	Yes	Equipment Support Team	B
NFC	T13	LGW03 Fluoride Waste	Yes	Yes	No	1	Yes	Yes	Yes	Equipment Support Team	B
NFC	T18	CGL03 Acid Waste	Yes	Yes	No	2	Yes	Yes	No	Equipment Support Team	B
NFC	V12	LGW02 Acid Waste	No	Yes	Yes	2	Yes	Yes	No	Equipment Support Team	B
NFC	W21	TGL01 Acid Waste	No	Yes	Yes	2	Yes	Yes	No	Equipment Support Team	B
NFN	G21	SNF02-Fluoride lift station	No	Yes		2	Yes	Yes	Yes	Equipment Support Team	B
NFN	H15	Ethylene Glycol	No	No	No	1	Yes	No	Yes	Equipment Support Team	B
NFN	H15	BHF	No	Yes	Yes	1	Yes	No	Yes	Equipment Support Team	B
NFN	H23	SNW03 plating rinsewater	No	No	No	2	Yes	Yes	Yes	Equipment Support Team	B
NFN	J13	CNW02-cooling tank box (Conc. Sulfuric Acid)	No	No	No	2	Yes	Yes	No	Equipment Support Team	B
NFN	J13	CNW02 CO2 bubbler box and cooling tank pan drain	No	No	No	2	Yes	Yes	No	Equipment Support Team	B
NFN	J18	INL02 Exhaust/Base Condensate	Yes	Yes	No	2	Yes	No	Yes	Equipment Support Team	B
NFN	J19	CNL02 chiller	N	No	No	1	Yes	Yes	No	Equipment Support Team	A
NFN	J4	Cu drain MNW02	No- Tap Exists	No	No	2	Yes	Yes	Yes	Equipment Support Team	B
NFN	K13	CNW02- pump condensate	No	Yes	Yes	2	Yes	Yes	No	Equipment Support Team	A
NFN	K13	CNW02-BHF	Yes	Yes	No	1	No	No	No	Equipment Support Team	B
NFN	K20	TMAH drain from mixing box	No	Yes	Yes	1	Yes	No	Yes	Equipment Support Team	B
NFN	K23	Air handler condensate	No	No	No	1	Yes-only a Rubbermaid container	No	Yes	Equipment Support Team	A
NFN	K5	Chem 5, KOH, Clean-100, sink discharge	No-connected to the sink	Yes	No	1	Yes	No	Yes	Equipment Support Team	C
NFN	L14	ANS13 sink	No	Yes	Yes	1	No	No	No	Equipment Support Team	C
NFN	L26	SNC01	No	Yes	Yes	2	Yes	Yes	Yes	Equipment Support Team	C
NFN	M5	Slurry waste from MNC04 (CP72B is the chemical)	Yes	Yes	No	1	Yes	Yes	Yes	Equipment Support Team	B
NFN	P13	CNW01 Cl2 Scrubber Pump	Scrubber supplies the water	Yes	No	1	No-main unit does	No-main unit does	No	Equipment Support Team	B
NFSX	B2	TXW01	No	No	No	2	No	Yes- Area Detectors	No	Equipment Support Team	B
NFSX	B3	OXW01	No	No	No	2	Yes	Yes	No	Equipment Support Team	B
NFSX	B3	OXW01 to titan unit	No	No	No	2	Yes	Yes	No	Equipment Support Team	B
NFSX	B3	AXC01	No	No	No	2	No	Yes- Area Detectors	No	Equipment Support Team	B
NFSX	B5	TXF04	No	No	No	2	Yes	Yes	No	Equipment Support Team	B
NFSX	B6	AXL02 Chem Drain	No	No	No	2	No	Yes- Area Detectors	Yes	Equipment Support Team	B
NFSX	C3	AXC01 final rinse that goes to acid waste	No	No	No	1	No	Yes- Area Detectors	No	Equipment Support Team	B
NFSX	A4-B4	CXD01	No	Yes	Yes	1	Yes	Yes	No	Equipment Support Team	B
NFX	K8	GTW05 Exhaust condensate (HF, HCl, Ammonium Hydroxide, Hydrogen Peroxide, DI ozone, carbonate DI, IPA, DI water)(minimal amounts)	No	Yes	Yes	1	Yes	Yes	Yes	Equipment Support Team	C
NFX	K8	GTW01 Blender (Ammonium Hydroxide, Hydrogen Peroxide)	No	Yes	Yes	1	Yes	Yes	No	Equipment Support Team	C
NFX	L14	CTL02 condensate	No	Yes	Yes	2	Yes	Yes	No	Equipment Support Team	A

Building	Column Location	What it is connected to (Tool such as CNW02 or MAU #5)	Does it have water?	Is water required?	Needs water installed?	# of Pumps	Secondary Containment	Leak Detector in Secondary Containment?	Exhausted ?	Owner	Type of Lift Station
CUB	E4	Sludge Filtrate Tank	Yes-hose in bay	Yes	No	2	Yes	No	No	FOG	B
CUB	H4	Sludge Filtrate Tank	Yes-hose in bay	Yes	No	2	No	No	No	FOG	B
NFC	S22	VMB (Fluoride)	Yes	Yes	No	2	Yes	Yes	Yes	FOG	B
NFC	S22	VMB(Phosphoric, Nitric, Sulfuric Acid, Ammonium Hydroxide, Hydrogen peroxide)	Yes	Yes	No	2	Yes	Yes	Yes	FOG	C
NFN	E2	Fluoride Sludge Filtrate	Yes-hose in bay	Yes	No	2	No	No	No	FOG	B
NFN	F12	WWT Lab sink	Yes	Yes	No	2	Yes	No	Yes	FOG	C
NFN	J13	CNW02 VMB(Phosphoric, Nitric, HCl, Ammonium Hydroxide, Hydrogen peroxide)	Yes	Yes	No	1	Yes	Yes	Yes	FOG	C
NFN	L5	Acid slurry waste (VMB feed)	No- Tap Exists	No	No	1	Yes	No	Yes	FOG	C
NFN	M26	eye wash	Yes	No	No	1	Yes	No	Yes	FOG	A
NFS	A5	MAU1+2 Humidifier/Condensate	No	No	No	2	No	No	No	FOG	A
NFS	B10	MAU5 Humidifier/Condensate	No	No	No	2	No	No	No	FOG	A
NFS	B7	MAU 3+4 Humidifier/Condensate	No	No	No	2	No	No	No	FOG	A
NFS	E4	DI Water Skid	Yes	Yes	No	2	No	No	Yes	FOG	A
NFSX	C2-C3	Copper Slurry from AXC01 and Acid Exhaust Condensate (WWT Tank)	No- water is close	Yes	No	2	No	No	Yes	FOG	C
NFSX	C2-C3	Ebara Scrubber, Fan Drain, Chem Drain, Scrubber Exhaust, CXS02	Yes	Yes	No	1	Yes	Yes	Yes	FOG	C
NFX	E11	Chem VMB (Sulfuric Acid)	Yes	Yes	No	1	Yes	Yes	Yes	FOG	B
NFX	E8	Chem VMB (Fluoride only)	Yes	Yes	No	1	Yes	Yes	Yes	FOG	B
NFX	E9	VMB (HCl, Ammonium Hydroxide, Hydrogen peroxide)	Yes	Yes	No	0	Yes	Yes	Yes	FOG	C
NFX	H1	Acid waste from CDU's (Phosphoric, Nitric, HCl, Ammonium Hydroxide, Hydrogen peroxide)	To line only	Yes	Yes	2-Pumps labeled backwards	Yes	Yes	Yes	FOG	C
NFX	H1	Fluoride Waste from CDU's	To line only	Yes	Yes	2	Yes	Yes	Yes	FOG	B
NFS	A.3.5	SBR03A Scrubber	No	No	No	1	Yes	Yes	No	Sematech	B
NFS	B5	WTS05a & Benign Exhaust Condensate	Yes	No	No	2	Yes	Yes	Yes	Sematech	A
NFS	C5	WTS04a Chem Drain	Yes-from scrubber	Yes	No	2	Yes	Yes	Yes	Sematech	C
NFS	E5	SBR1A Scrubber	Yes	Yes	No	1	Yes	Yes	No	Sematech	B
NFS	E5	WTS02a Chem Drain	Yes-from scrubber	Yes	No	1	Yes	Yes	Yes	Sematech	B
NFS	C5	CLN01a & City Water BFP WTS4a	Yes	Yes	No	1	No	No	Yes	Sematech	A
NFS	C5	City Water WTS4A	Yes	Yes	No	1	No	No	Yes	Sematech	A
NFS	C5	WTS04a Chem Drain	No	Yes	No	2	Yes	Yes	Yes	Sematech	C
NFS	D5	WTS03a Chem Drain	No	Yes	No	1	Yes	No	Yes	Sematech	C
NFS	D5	WTS03a BHF Drain: Drain pumped to HF Collection Unit	No	Yes	No	1	Yes	No	Yes	Sematech	B
NFS	E5	SBR1A Scrubber	No	Yes	No	1	Yes	Yes	No	Sematech	B
NFS	E5	CLN2A Chem Drain	No	Yes	No	1	Yes	Yes	Yes	Sematech	A
NFS	E5	SBR1A Scrubber	No	Yes	No	1	Yes	Yes	No	Sematech	B
NFS	E5	WTS02a Chem Drain	No	Yes	No	1	Yes	Yes	Yes	Sematech	B
NFC	U16	TGL03 Acid Waste	No	Yes	No	2	Yes	Yes	No	TEL	C
NFC	V18	TGW01 Acid Waste (SC1 blender)	No	Yes	Yes	2	Yes	Yes	Yes	TEL	C
NFSX	Viewing Area	TXS04 Sink	No	Yes	Yes	2	Yes	Yes	Yes	TEL	C