

2005.06.14 HW mino. mod file

**New York State Department of Environmental Conservation
Division of Environmental Permits, Region 4**

1150 North Westcott Road, Schenectady, New York 12306-2014

Phone: (518) 357-2069 • FAX: (518) 357-2460

Website: www.dec.state.ny.us



Denise M. Sheehan
Acting
Commissioner

June 14, 2005

Mr. William Morris
Environmental Director
Norlite Corporation
628 South Saratoga Street
P.O. Box 694
Cohoes, New York, 12047

Re: Permit #: 4-0103-16/16
373 (HW)/Air Pollution Control Permit Modification
Installing a dedicated burn line for LGF tanks 335-
300, 400, 500 & 600
Cohoes (C), Albany County

Dear Mr. Morris,

The Department has reviewed Norlite's request submitted on April 12, 2005 to install a new dedicated burn line for the hazardous waste storage tanks 335-300, 400, 500 & 600 and hereby approves this permit modification.

The approved modification is to be completed by June 30, 2005. Upon completion of the work and prior to putting the new burn line in service Norlite is to provide written notification to the Department stating that the installation has been performed as per the approved request. Norlite upon installation of the agitators on these tanks (which were previously approved) and this new burn line shall whenever these tanks are in use: 1) re-circulate the tank contents by using their respective pumps continuously, 2) mix the tank contents by operating the agitators at least one hour prior to and always during the feeding of the tank contents to the kilns and 3) re-circulate the unburned LGF in the kiln feed lines back to the tanks through the return line.

If you have any questions, please contact Parag Amin at (518) 402-8609.

Sincerely Yours,

William J. Clarke
Regional Permit Administrator
Region 4

CC: Cliff VanGuilder, RS&HWE, R4
H. Brezner, R4
D. Canestrari, R4
S. Chetty, CO
P. Amin, CO

HWAPC373new burn line mod06142005.wpd

Norlite Corporation

~~April 12, 2005~~



Mr. William Clarke
Regional Permit Administrator
New York State Department of Environmental Conservation, Region 4
1150 North Westcott Road
Schenectady, New York 12306

628 SO. SARATOGA ST.
P.O. BOX 694
COHOES, NY 12047
PHONE (518) 235-0401
FAX (518) 235-0233

RE: *6 NYCRR Part 373 Permit No. 4-0103-16/16-0*
Permit Modification

Via Certified Mail: 7004 1160 0003 1512 5910

Dear Mr. Clarke:

Norlite Corporation (Norlite) is submitting the following Part 373 minor permit modification to the Department for approval. The piping modifications were discussed with Parag Amin on April 1, 2005.

The modification involves installing a new dedicated burn line for the permitted hazardous waste storage tanks 335-300, 335-400, 335-500, and 335-600. Currently, the burn line for these tanks is also utilized as the blend/transfer line. This configuration does not allow Norlite to perform any blending/transferring operations involving the outside tanks while simultaneously burning from an outside tank. The new line will be tied into Norlite's existing LGF burn line #2 within the permitted secondary containment area of the LGF building.

The change is necessary in order to allow us to routinely use the larger tanks as burn tanks since most of the agitators are now installed. By using the larger tanks, we believe we will maintain a more consistent blend of fuel for the kilns which, in turn, will help us reduce the number of kiln pressure, waste feed cutoffs we've been experiencing since the implementation of MACT.

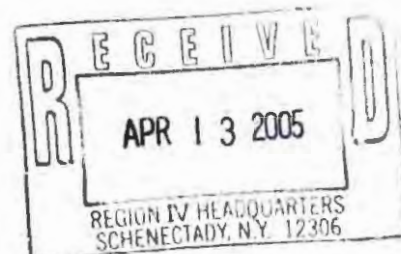
All piping, valves, and flanges will be installed in accordance with 6 NYCRR 373-2.10(d)(6). This modification is shown on the attached drawings: NY003-1312, NY003-1317, and NY003-5432.

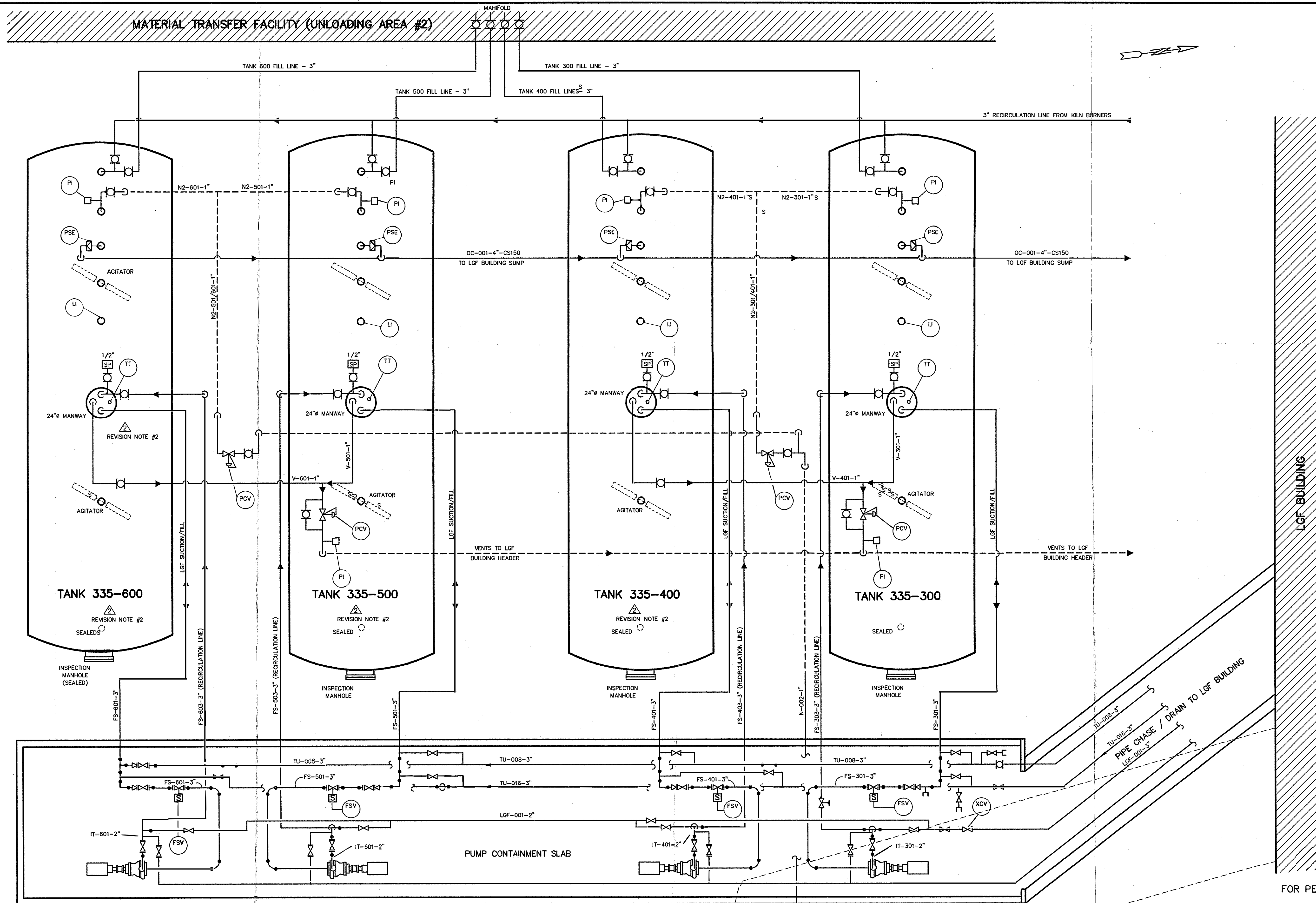
Please contact me at (518) 235-0401 should you have any questions or require any additional information regarding this modification.

Sincerely,

Brian Decatur

Cc: Don Canistrari, NYSDEC w/o attachments
Parag Amin, NYSDEC w/ attachments





NOTE:
PROPOSED AGITATOR MODIFICATIONS NOT SHOWN FOR CLARITY.

DRAWING REFERENCE:
DRAWING #6 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-300 & 335-400". PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION. DATED 02/24/84.

DRAWING #7 "LGF (LOW GRADE FUEL) SYSTEM, PLAN VIEW OF TANKS 335-500 & 335-600". PREPARED BY STETSON-DALE, PC FOR NORLITE CORPORATION. DATED 02/24/84.

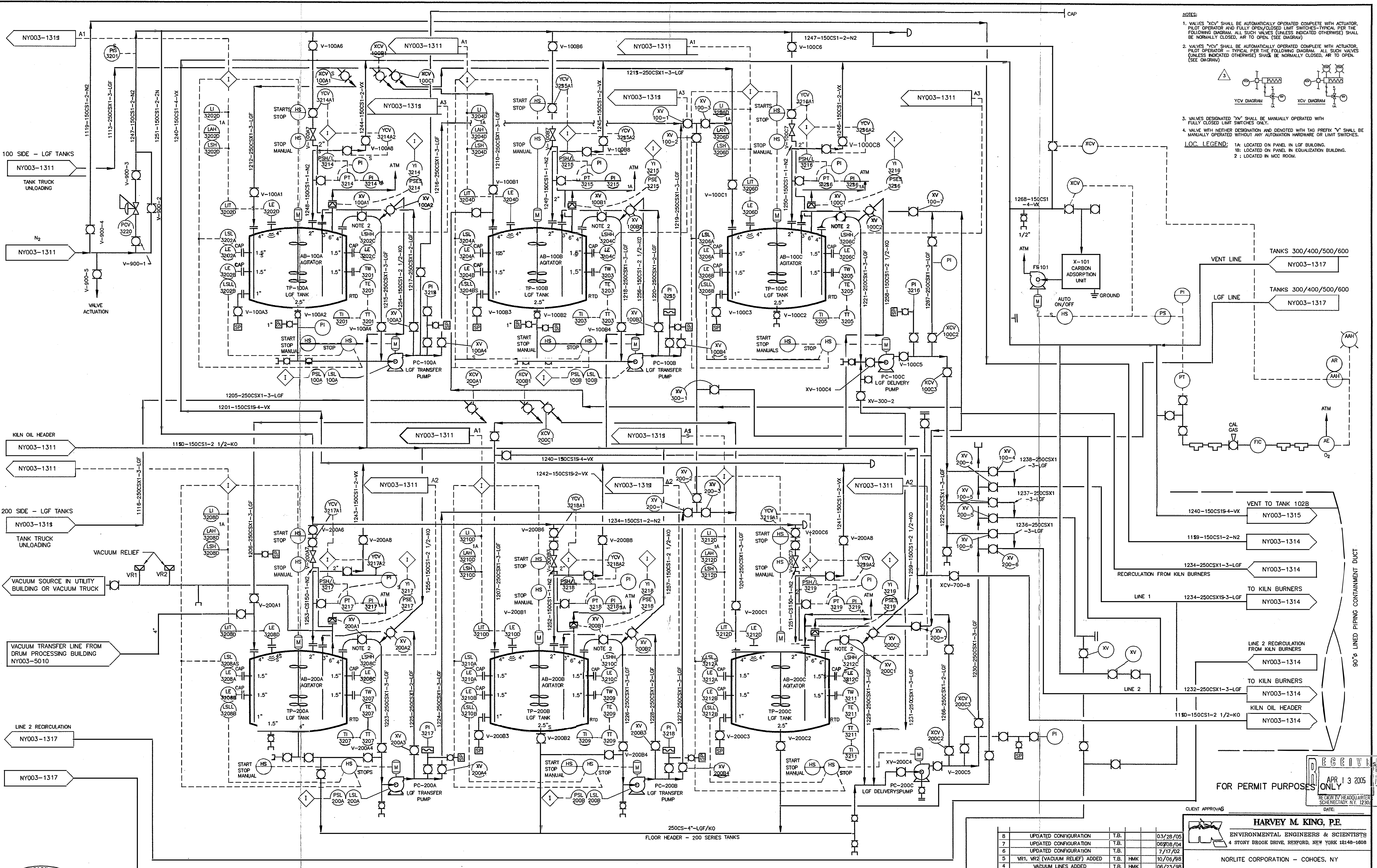


SCALE: NONE

FOR PERMIT PURPOSES ONLY

CLIENT APPROVAL:		DATE:	
HARVEY M. KING, P.E. ENVIRONMENTAL ENGINEERS & SCIENTISTS 4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1608			
NORLITE CORPORATION - COHOES, NY SCHEMATIC PLAN VIEW LGF TANKS 335-300, 335-400, 335-500, 335-600			
DRAWN BY:	T.V.B.	DATE:	04/29/02
ENGINEER:	H.M.K.	FILE NAME:	NY003-5432-H
DRAWING NO.:	NY003-5432	DRAWING #6 & #7	

5	UPDATED CONFIGURATION	T.V.B.	03/28/08
4	UPDATED CONFIGURATION	T.V.B.	08/08/04
3	PIPING MODIFICATIONS TO TANKS	T.V.B.	05/07/04
2	PIPING MODIFICATIONS TO TANKS	T.V.B.	12/12/03
1	UPDATED CONFIGURATION	T.V.B.	7/17/02
REV	DESCRIPTION	DATE	



- NOTES:
1. VALVES "XCV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR AND FULLY OPEN/CLOSED LIMIT SWITCHES-TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN (SEE DIAGRAM).
 2. VALVES "YCV" SHALL BE AUTOMATICALLY OPERATED COMPLETE WITH ACTUATOR, PILOT OPERATOR - TYPICAL PER THE FOLLOWING DIAGRAM. ALL SUCH VALVES (UNLESS INDICATED OTHERWISE) SHALL BE NORMALLY CLOSED, AIR TO OPEN (SEE DIAGRAM).
 3. VALVES DESIGNATED "V" SHALL BE MANUALLY OPERATED WITH FULLY CLOSED LIMIT SWITCHES ONLY.
 4. VALVE WITH NEITHER DESIGNATION AND DENOTED WITH TAG PREFIX "V" SHALL BE MANUALLY OPERATED WITHOUT ANY AUTOMATION HARDWARE OR LIMIT SWITCHES.
- LOC. LEGEND:
- 1A: LOCATED ON PANEL IN LGF BUILDING.
 - 1B: LOCATED ON PANEL IN EQUALIZATION BUILDING.
 - 2: LOCATED IN MCC ROOM.

CLIENT APPROVAL

HARVEY M. KING, P.E.
 ENVIRONMENTAL ENGINEERS & SCIENTISTS
 4 STONY BROOK DRIVE, REXFORD, NEW YORK 12148-1608

NORLITE CORPORATION - COHOES, NY

PIPING & INSTRUMENTATION DIAGRAM
 LGF STORAGE AND TRANSFER

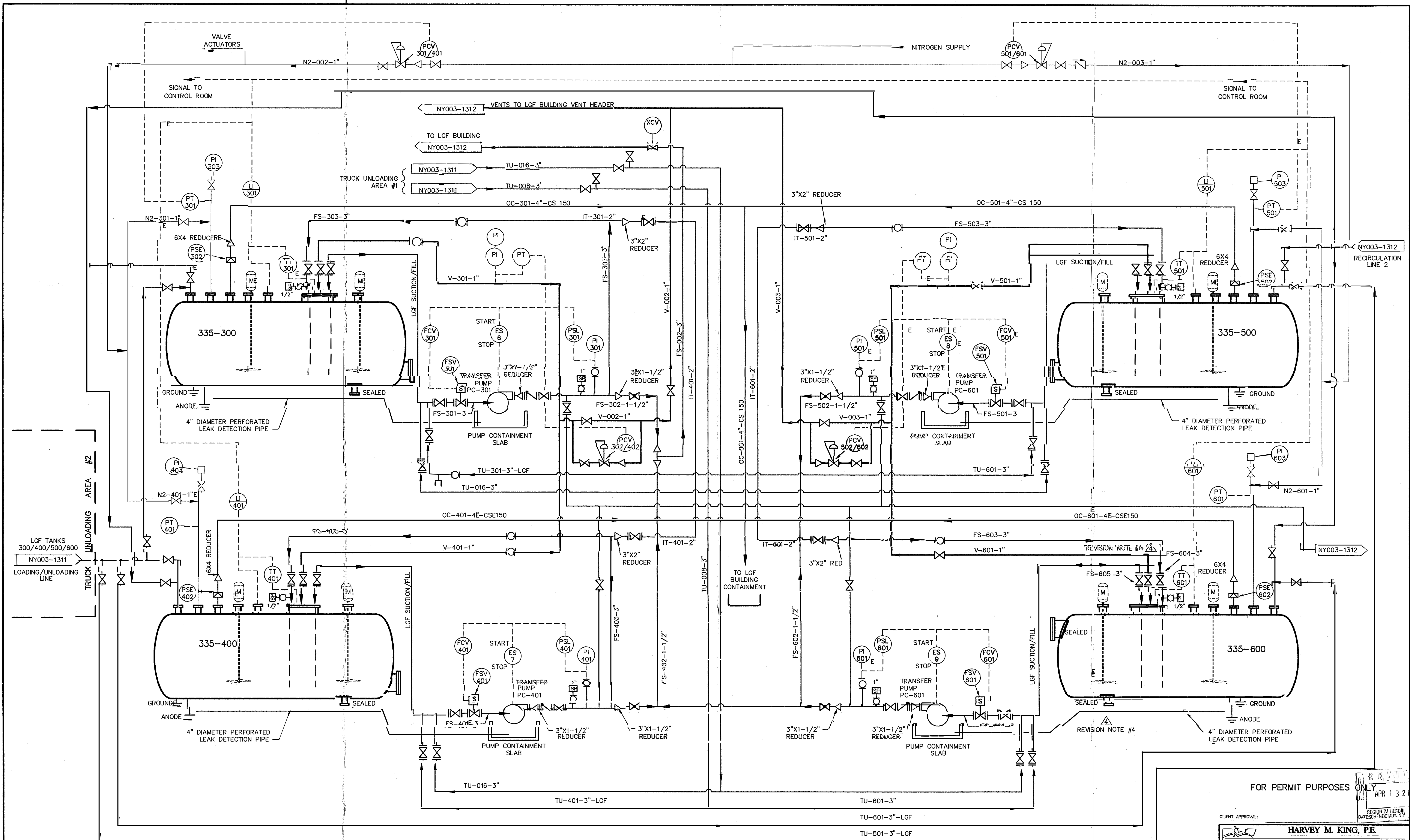
REV.	DESCRIPTION	OWN	ENGR.	CHK	DATE
8	UPDATED CONFIGURATION	T.B.			03/28/05
7	UPDATED CONFIGURATION	T.B.			06/08/04
6	UPDATED CONFIGURATION	T.B.			7/17/02
5	VR1, VR2 (VACUUM RELIEF) ADDED	T.B.	HMK		10/06/98
4	VACUUM LINES ADDED	T.B.	HMK		06/23/98
3	REVISED PER ENGR REVIEW	J.E.	J.R.		12/4/92
2	REVISED PER ENGR REVIEW	J.E.	J.R.		10/17/92
1	REVISED AS INDICATED	E.B.	J.E.		8/17/92
0	FOR CONSTRUCTION	MAC	J.E.		7/24/92

THIS DRAWING IS PROPERTY OF HMK P.E., INCLUDING ALL PATENTED AND UNPATENTED FEATURES, AND / OR CONFIDENTIAL INFORMATION. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HMK P.E.

DRAWN BY: T.V.B. DATE: 04/29/02 DRAWING/FILE REF: NY003-E1312
 ENGINEER: H.M.K. FILE NAME: NY003-1312 DRAWING NO.: NY003-1312

INFORMATION PRESENTED ON THIS DRAWING HAS BEEN COMPILED FROM CURRENT FIELD DATA AND ORIGINAL DESIGN DRAWINGS PREPARED BY ENSR CONSULTING & ENGINEERING.





DRAWING REFERENCE:
 DRAWING #4 "LGF (LOW GRADE FUEL) SYSTEM, TANK FARM FLOW DIAGRAM".
 PREPARED BY STETSON2-DALE, PC FOR NORLITE CORPORATION.
 DATED 02/24/84.



FOR PERMIT PURPOSES ONLY

HARVEY M. KING, P.E. ENVIRONMENTAL ENGINEERS & SCIENTISTS 4 STONY BROOK DRIVE, WESTFORD, NEW YORK 12148-1608	
NORLITE CORPORATION - COHOES, NY	
PIPING & INSTRUMENTATION DIAGRAM LGF TANK SYSTEM	
CLIENT APPROVAL: _____ DATE: 04/28/02	DRAWING #4 NY003-1317

8	UPDATED CONFIGURATION	F.V.B.	MMK	03/28/05
7	UPDATED CONFIGURATION	F.V.B.	MMK	06/08/04
6	NOZZLES H & T ADDITIONS CONFIGURATION	TVB	MMK	05/07/04
5	UPDATED TANK 500 CONFIGURATION	TVB	MMK	05/05/04
4	PIPING MODIFICATIONS TO TANK 500	TVB	MMK	12/12/03
3	UPDATED CONFIGURATION	TVB	MMK	11/17/02
2	OPERATING CAPACITY REVISED	TVB	MMK	11/05/01
1	OPERATING CAPACITY REVISED	TVB	MMK	03/11/00

This drawing is property of Norlite and is not to be reproduced or used in any way without the written consent of Norlite. The use of this drawing for any purpose other than specifically permitted in writing by Norlite, P.E. is prohibited.