



Northrop Grumman Corporation  
Autonomous Early Warning and  
Electronic Warfare Systems  
One of Crystal Bay Road  
Pittsford, NY 11714-3581

ETC02L-168  
August 29, 2002

John S. Kushwara, Chief  
Ground Water Compliance Section  
U.S. Environmental Protection Agency  
Division of Enforcement & Compliance Assistance  
Water Compliance Branch  
290 Broadway, 20<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Interim Report No. 5  
Plant 1  
UIC Closure Program

Dear Mr. Kushwara:

The purpose of this correspondence is to document the capping/closure of drainage features at the Plant 1 site (Attachment 1), as well as to provide a comprehensive accounting and cross referencing of the remedial/closure activities conducted at the facility as required in the UIC Closure Plan, dated September 2001 (Attachment 2). At this time, all required remedial/closure activities outlined in the UIC Closure Plan have been completed.

If you have any questions or comments, please do not hesitate to contact me at (516) 575-2385.

Very truly yours,

A handwritten signature in black ink, appearing to read "Larry L. Leskovjan".

Larry L. Leskovjan  
Manager

Environmental, Safety, Health & Medical Services

Attachments

cc: B. Mackay (NCDH)  
Henry Wilkie, NYSDEC  
Larry Rosenmann, NYSDEC ✓  
William Gilday, NYSDOH

**ATTACHMENT 1**

**SUMMARY OF  
CAPPED DRAINAGE STRUCTURES**

**Northrop Grumman Corporation  
Plant 1 Facility  
Summary of Capped Drainage Structures**

Drainage Feature/Discharge Point Number	Location	Feature Type	Closure/Remediation Activity Conducted	Notes
DF-01	Former Storage Building	Pipe Sleeve	Pipe sleeve capped with concrete.	--
DF-07	Computer Repair Room	Former Slop Sink Pipe Sleeve	Pipe sleeve capped with concrete	--
DF-11	Former Carpentry Room	Pipe Sleeve	Pipe sleeve capped with concrete.	--
DF-18	Former Hammer Shop	Slop Sink	Slop sink removed and drain line cut and capped with concrete.	--
DF-20	Along Outside Wall of Former Alodine Room	Pit	Floor and walls of pit re-surfaced with concrete.	This structure currently receives non-contact cooling water and discharges it through a stormwater drain to a series of stormwater dry wells. The equipment that is being cooled is scheduled to be moved to another plant within 4 months where it will be replaced with a chilled water system (no discharge).
DF-21	Along Outside Wall of Former Alodine Room	Trench	No activities required in this location.	--
DF-24	Former Alodine Room	Pipe Sleeve	Pipe sleeve capped with concrete.	--
DF-25	Former Paint Shop Booth	Slop Sink	Slop sink removed and drain line cut and capped with concrete.	--
DF-26	Outside South Wall of Former Alodine Room	Trench	No activities required in this location.	--
DF-36	Former Storage Building	Slop Sink	Slop sink removed and drain line cut and capped with concrete.	--
DF-50	Former Storage Building	Slop Sink	Slop sink removed and drain line cut and capped with concrete.	--
DF-72	Former Paint Spray Room	Slop Sink	Slop sink removed and drain line cut and capped with concrete.	--

**Northrop Grumman Corporation  
Plant 1 Facility  
Summary of Capped Drainage Structures (continued)**

Drainage				
Feature/Discharge Point Number	Location	Feature Type	Closure/Remediation Activity	Notes
DF-79	Sprinkler Room	Ejector Pit	NGC has permanently rerouted all non-stormwater-related discharges to this Ejector Pit to the Nassau County Sewer.	--
DF-80	Sprinkler Room	Floor Drain	Discharges to this floor drain are conveyed to DF-79 (ejector pit). Refer to DF-79, above. No capping or rerouting was required at this structure.	--
DF-99	Material Stock Room	Floor Drain	Floor drain capped with concrete and ejector pit installed to pump liquids from area to Nassau County Sewer.	--
DF-115	Pump House Near Water Tower	Floor Drain	Floor drain capped with concrete.	--
DF-138	Boiler Room	Pipe Sleeve	No activities conducted at this structure.	Potable water is supplied to Plant 1 by the Bethpage Water District. Where the service line enters the building there is a backflow prevention station which is required by the water district. The emergency blow-off from the backflow preventer is routed through DF-138 to discharge to grade outside of the building. This discharge is unregulated.

**Northrop Grumman Corporation  
Plant 1 Facility  
Summary of Capped Drainage Structures (continued)**

Drainage Feature/Discharge Point Number	Location	Feature Type	Closure/Remediation Activity	Notes
DF-139	Boiler Room	Pipe Sleeve	Pipe sleeve capped with concrete.	--
DF-142	Boiler Room	Pipe Sleeve	Oil/water separator disconnected, compressor line cut and capped with concrete, and pipe sleeve capped with concrete.	--
DF-143	Boiler Room	Floor Drain	Floor drain capped with concrete.	--
DF-144	Boiler Room	Floor Drain	Floor drain capped with concrete.	--
DF-147	Boiler Room	Floor Drain	Floor drain capped with concrete and ejector pit installed to pump condensate to the Nassau County Sewer.	--
DF-10/D-17	SMS Traffic Area (South of Carpentry Shop)	Pit	No activities required in this location.	--
DF-110	PROM Building	Floor Drain	No activities required in this location.	--
DF-185	Pump House	Floor Drain	Floor drain fitted with a "stick-up" funnel to prevent all potential discharges with the exception of potable water "weepage" from pump seals (Bethpage water).	--

**Notes:**

--: Not Applicable

**ATTACHMENT 2**

**COMPREHENSIVE ACCOUNTING  
OF  
REMEDIAL/CLOSURE ACTIVITIES**

**Northrop Grumman Corporation  
Plant 1 Facility**

**Comprehensive Accounting of Remedial/Closure Activities**

<b>Drainage Feature/ Discharge Point Number</b>	<b>Phase II Boring Location</b>	<b>Location</b>	<b>Feature Type</b>	<b>Interim Report Which Petitions Closure</b>
DF-03	I01B01	Facilities Maintenance Area	Leaching Pool	1
DF-04	I01B02	Facilities Maintenance Area	Leaching Pool	1
DF-05	I01B03	Facilities Maintenance Area	Leaching Pool	2
DF-10/D-17	--	SMS Traffic Area (South of Carpentry Shop)	Pit	3 (no longer in UIC program)
DF-17	I27B01	SMS Packing Area	Pit	4
DF-17	I27B02	SMS Packing Area	Trench	1 (removed from UIC program)
DF-88/D-16	D16B01	Air Handling Room	Sump Pit	2
DF-101	I19B02	Material Stock Room	Condensate Pit	4
DF-110	--	PROM Building	Floor Drain	1
DF-146	I38B03	Boiler Room	Pit	3
DF-145	I29B01	Boiler Room	Pit	2
D-08	D08B01	Drum Storage Area Outside Former Hammer Shop	Earthen Area Receiving Discharges From Slop Sink	2
D-09	D09B01	Outside Boiler Room (to the northwest)	Pit with Earthen Bottom	2
D-10	D10B01	Outside Boiler Room (to the northwest)	Dry Well	2

**Northrop Grumman Corporation  
Plant 1 Facility**

**Comprehensive Accounting of Remedial/Closure Activities (continued)**

Drainage Feature/ Discharge Point Number	Phase II Boring Location	Location	Feature Type	Interim Report Which Petitions Closure
D-11	D11B01	Outside Boiler Room (to the northwest)	Pit with Earthen Bottom	2 (removed from UIC program)
D-13	D13B01	Adjacent to Pump Station B	Dry Well	2 (removed from UIC program)
Former Alodine Storage Chambers	E14B01/E14B02/ E14B03	Northeastern Corner of Plant 1 Exterior	Leaching Chambers	Removed from UIC Program
--	E03B03	Former Heat Treat Drainage Wells	Dry Well	1
--	E10B07	Seven Former Leaching Pools	Leaching Pool	1
--	E31B01	Dry Well	Dry Well	2
D-01	D01B01	Northeast of Water Tank	Dry Well	1
D-02	D02B01	Northeast Parking Lot	Dry Well	3
D-03	D03B01	Northeast Parking Lot	Dry Well	1
D-04	D04B01	In roadway along east side of building	Dry Well	3
D-05	D05B01	In roadway along east side of building	Dry Well	4
D-06	D06B01	Outside Air Conditioning Room	Dry Well	1
D-07	D07B01	Outside Air Conditioning Room	Dry Well	1
--	E06B07	Leaching Pool Area	Leaching Pool	1



**Northrop Grumman Corporation  
Plant 1 Facility**

**Comprehensive Accounting of Remedial/Closure Activities (continued)**

Drainage Feature/ Discharge Point Number	Phase II Boring Location	Location	Feature Type	Interim Report Which Petitions Closure
--	E06B08	Leaching Pool Area (small drain near Plant 1 building corner)	Leaching Pool	3
--	E07B08	Nine Leaching Pools	Leaching Pool	2
--	E08B13	Former Leaching Field w/ 20 Leaching Pools	Leaching Pool	2
--	E11B01	Former Dry Well in Western Portion of Courtyard	Dry Well	1
--	E15B01	Dry Well/pit at Loading Platform	Dry Well	4
DF-184	E16B01	Leaching Gallery by Kitchen	Leaching Gallery	4
--	E24B01	Dry Well	Dry Well	1
DF-01	--	Former Storage Building	Pipe Sleeve	5
DF-07	--	Computer Repair Room	Former Slop Sink Pipe Sleeve	5
DF-11	--	Former Carpentry Room	Pipe Sleeve	5
DF-18	--	Former Hammer Shop	Slop Sink	5
DF-20	--	Along Outside Wall of Former Alodine Room	Pit	5
DF-21	--	Along Outside Wall of Former Alodine Room	Trench	5
DF-24	--	Former Alodine Room	Pipe Sleeve	5
DF-25	--	Former Paint Shop Booth	Slop Sink	5