



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

September 5, 2014

Mr. Gerardo C. Rios  
Chief, Permit Operations  
US EPA Region IX Air 3  
75 Hawthorne Street  
San Francisco, CA 94105

Dear Mr. Rios:

Reference: Transmittal of Proposed Title V Renewal Permit

Enclosed are the proposed Title V renewal permit, permit summary, statement of basis, public notice, and the permit evaluation for New NGC Incorporated, Facility ID 12428, located at 1850 Pier B Street, Long Beach, California 90813. This Title V renewal permit revision also includes the modification of the baghouse C246 (A/N 547238), the mineral products stucco system D64 – D68 (A/N 547239), the wallboard manufacturing system D129, D131 (A/N 547240) and the change of facility permit condition C1.1 (A/N 547237). With your receipt of the proposed Title V renewal permit, we will note that the EPA 45-day review period shall begin on September 5, 2014.

If you have any questions regarding this proposed Title V renewal permit, please contact Manuel Quizon, Air Quality Engineer, at 909/396-2639.

Sincerely,

A handwritten signature in black ink, appearing to read "Mohan Balagopalan", written in a cursive style.

Mohan Balagopalan  
Senior Manager  
Mechanical/Chemical and Ports Permitting

MB:mvq

Enclosures:

- Proposed Title V Renewal Permit
- Permit Summary
- Statement of Basis
- Public Notice
- Permit Evaluation

## **FACILITY PERMIT TO OPERATE**

**NEW NGC, INC.  
1850 PIER B ST  
LONG BEACH, CA 90813**

### **NOTICE**

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By \_\_\_\_\_  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

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## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** NEW NGC, INC.

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 1850 PIER B ST  
LONG BEACH, CA 90813-2604

**MAILING ADDRESS:** 1850 PIER B  
LONG BEACH, CA 90813

**RESPONSIBLE OFFICIAL:** STEVE ROGERS

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (562) 435-4465

**CONTACT PERSON:** STEVE ROGERS

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (562) 435-4465

**TITLE V PERMIT ISSUED:** June 19, 2008

**TITLE V PERMIT EXPIRATION DATE:** June 18, 2013

TITLE V	RECLAIM
YES	<b>NOx:</b> YES <b>SOx:</b> NO <b>CYCLE:</b> 2 <b>ZONE:</b> COASTAL

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup> Holding as of 07/01/2013 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2010 6/2011	Coastal	38658	157	3131
7/2011 6/2012	Coastal	38658	13542	4175
7/2012 6/2013	Coastal	38658	12903	0
7/2013 6/2014	Coastal	38658	29960	0
7/2014 6/2015	Coastal	38658	29960	0
7/2015 6/2016	Coastal	38658	29960	0
7/2016 6/2017	Coastal	38658	29960	0
7/2017 6/2018	Coastal	38658	29960	0
7/2018 6/2019	Coastal	38658	29960	0
7/2019 6/2020	Coastal	38658	29960	0
7/2020 6/2021	Coastal	38658	29960	0
7/2021 6/2022	Coastal	38658	29960	0
7/2022 6/2023	Coastal	38658	29960	0
7/2023 6/2024	Coastal	38658	29960	0
7/2024 6/2025	Coastal	38658	29960	0
7/2025 6/2026	Coastal	38658	29960	0
7/2026 6/2027	Coastal	38658	29960	0

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2013 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2027 6/2028	Coastal	38658	29960	0

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

**FACILITY PERMIT TO OPERATE  
 NEW NGC, INC.**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	106680	310

**FACILITY PERMIT TO OPERATE  
NEW NGC, INC.**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: MINERAL PRODUCTS: PLASTER</b>					
<b>System 3: PROCESSING, CONVEYING, &amp; STORAGE</b>					
CONVEYOR, AIR SLIDE, AC-4 A/N: 120526	D41			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, AIR SLIDE, AC-3 A/N: 120526	D42			PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, E-1 A/N: 120526	D43	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SF-1 A/N: 120526	D45			PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>Process 2: MINERAL PRODUCTS: STUCCO</b>					
<b>System 1: CONVEYING, &amp; STORAGE</b>					
CONVEYOR, SCREW, S-101 A/N: 417399	D55			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-102 A/N: 417399	D56			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-103 A/N: 417399	D57			PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, E-101 A/N: 417399	D58	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, SF-1, SCREW A/N: 417399	D59			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, SF-2, SCREW A/N: 417399	D60			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, SF-3, SCREW A/N: 417399	D61			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, SF-4, SCREW A/N: 417399	D62			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, SF-5, SCREW A/N: 417399	D63			PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: MINERAL PRODUCTS: STUCCO</b>					
FURNACE, CALCINING, NO. 1, NATURAL GAS, 7 MMBTU/HR A/N:	D64	C210	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 43 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.2
FURNACE, CALCINING, NO. 2, NATURAL GAS, 7 MMBTU/HR A/N:	D65	C214	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 74 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.2
FURNACE, CALCINING, NO. 3, NATURAL GAS, 7 MMBTU/HR A/N:	D66	C211	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 27 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.2
FURNACE, CALCINING, NO. 4, NATURAL GAS, 7 MMBTU/HR A/N:	D67	C215	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 27 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: MINERAL PRODUCTS: STUCCO</b>					
FURNACE, CALCINING, NO. 5, NATURAL GAS, 7 MMBTU/HR A/N:	D68	C212	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 27 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.2
CONVEYOR, SCREW, S204 A/N: 417399	D69			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S205 A/N: 417399	D70			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S206 A/N: 417399	D71	C213		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S207 A/N: 417399	D72			PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, E-202 A/N: 417399	D73			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-3 A/N: 417399	D75	C250		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-4 A/N: 417399	D76	C250		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, NO E-2 A/N: 417399	D77	C213 C250		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, NO. 14S-7 A/N: 417399	D79			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, NO. 14S-8 A/N: 417399	D80			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, NO 1, STUCCO A/N: 417399	D81	C209		PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, NO 2, STUCCO A/N: 417399	D82	C208		PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>Process 3: JOINT COMPOUND MFG.</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3- JOINT COMPOUND MFG.</b>					
CONVEYOR, PNEUMATIC, FEEDER A/N: 478289	D83			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC, POSITIVE DISPLACEMENT BLOWER A/N: 478289	D84			PM: (9) [RULE 405, 2-7-1986]	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, ALLEVIATOR A/N: 478289	D85	C107		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, WEIGH, LIMESTONE A/N: 478289	D86			PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, WEIGH, READY MIX, 120 CU.FT. A/N: 478289	D94	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP, TALC, SUPERSACK A/N: 478289	D254	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP, CLAY, SUPERSACK A/N: 478289	D255	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP, MICA, SUPERSACK A/N: 478289	D256	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 478289	D257	D264		PM: (9) [RULE 405, 2-7-1986]	D323.1
MIXER, RIBBON, 435 GALS A/N: 478289	D95	C107		PM: (9) [RULE 405, 2-7-1986]	D323.1
MIXER, RIBBON, 435 GALS A/N: 478289	D96	C107		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-18 A/N: 478289	D99			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP, PERLITE, SUPERSACK A/N: 478289	D231	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: JOINT COMPOUND MFG.</b>					
CONVEYOR, SCREW, 9S-17 A/N: 478289	D258			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-19 A/N: 478289	D259			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, WEIGH, MINOR INGREDIENTS, BATCH/SOLIDS A/N: 478289	D263	C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
CYCLONE, WITH HOPPER, SOLIDS RECOVERY A/N: 478289	D264	D257 C262		PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, CLOTH FILTER, SLY, DYNACLONE, MODEL NO. 6A, PULSE JET CLEANING TYPE, 25 H.P., 2244 SQ.FT. A/N: 478290	C107	D85 D95 D96		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, MAC EQUIPMENT, INC., MODEL 72AVR14-STY3, 127 SQ.FT.; 14 BAGS A/N: 478291	C262	D94 D231 D254 D255 D256 D263 D264		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
<b>Process 4: MINERAL PRODUCTS: LIMESTONE</b>					
<b>System 1: RECEIVING &amp; STORAGE</b>					
FEEDER, PNEUMATIC A/N: 339708	D109			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 339708	D110			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, LIMESTONE, 130 TONS; DIAMETER: 13 FT A/N: 339708	D111	C249		PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, FLEX KLEEN, MODEL 84-BVB-25-IIG, POLYESTER FELT BAGS, 2 H.P., 265 SQ.FT.; 24 BAGS A/N: 339712	C249	D111		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: WALLBOARD MFG.</b>					
MILL, BALL A/N: 339715	D116	C141		PM: (9) [RULE 405, 2-7-1986]	D323.1
MIXER A/N: 339715	D118			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP A/N: 339715	D121			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-10 A/N: 339715	D244	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, S-10A A/N: 339715	D245	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR A/N: 339715	D127	C141		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR A/N: 339715	D128	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, VERMICULITE A/N: 339715	D129	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, BMA A/N: 339715	D130	C141		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, DRY ADDITIVE A/N: 339715	D131	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 339715	D132	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 339715	D133	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 339715	D134	C246		PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, MICRO-PULSAIRE, MODEL 25S-6-30B, (BMA), 177 SQ.FT. A/N: C06031	C141	D116 D127 D130		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.2, E448.1, K67.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: WALLBOARD MFG.</b>					
BAGHOUSE, CLOTH FILTER, FLEX-KLEEN, MODEL 84-BVBC-36, 382 SQ.FT.; 36 BAGS A/N: 339719	C246	D128 D129 D131 D132 D133 D134 D244 D245		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.2, E448.1, K67.1
FEEDER, FIBERGLASS A/N: 339715	D225			PM: (9) [RULE 405, 2-7-1986]	D323.1
KILN, NATURAL GAS, 84 MMBTU/HR WITH A/N: 332801	D226		NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.2
BURNER, NATURAL GAS, MAXON CORPORATION, MODEL CROSSFIRE, 12 TOTAL; 7 MMBTU/HR					
<b>Process 7: GYPSUM ROCK PROCESSING</b>					
<b>System 1: RECLAIM GRINDING &amp; STORAGE</b>					
FEEDER, VIBRATING, JEFFREY A/N: 429391	D153			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, VIBRATING, JEFFREY A/N: 429391	D154			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, VIBRATING, JEFFREY A/N: 429391	D155			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, VIBRATING, JEFFREY A/N: 429391	D156			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, VIBRATING, JEFFREY A/N: 429391	D157			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, VIBRATING, JEFFREY A/N: 429391	D158			PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: GYPSUM ROCK PROCESSING</b>					
CONVEYOR, BELT, B-3, RECLAIM A/N: 429391	D159			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, B-4, TRANSFER A/N: 429391	D160	C198		PM: (9) [RULE 405, 2-7-1986]	D323.1
HAMMERMILL, NO. 3050 A/N: 429391	D161	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SR-1 A/N: 429391	D162	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, RAYMOND MILL FEED, 100 TONS A/N: 429391	D163	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, RAYMOND MILL FEED, 100 TONS A/N: 429391	D164	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, VIBRATORY DISCHARGE A/N: 429391	D165	C219		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, VIBRATORY DISCHARGE A/N: 429391	D166	C220		PM: (9) [RULE 405, 2-7-1986]	D323.1
MILL, NO. 1, RAYMOND, HIGH SIDE ROLLER A/N: 429391	D167	C219		PM: (9) [RULE 405, 2-7-1986]	D323.1
MILL, NO. 2, RAYMOND, HIGH SIDE ROLLER A/N: 429391	D168	C220		PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, ROTARY A/N: 429391	D169			PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, ROTARY A/N: 429391	D170			PM: (9) [RULE 405, 2-7-1986]	D323.1
CYCLONE, PRODUCT SEPERATOR A/N: 429391	D171			PM: (9) [RULE 405, 2-7-1986]	D323.1
CYCLONE, PRODUCT SEPERATOR A/N: 429391	D172			PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: GYPSUM ROCK PROCESSING</b>					
FEEDER, TABLE A/N: 429391	D173			PM: (9) [RULE 405, 2-7-1986]	D323.1
CUTTER, 30 HP, CHOPPER A/N: 429391	D174	C199		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-400 A/N: 429391	D175			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-401 A/N: 429391	D176	C199		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, E-420, 3 HP A/N: 429391	D177	C199		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-402, BIN FEED A/N: 429391	D178			PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE A/N: 429391	D179	C199		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, DISCHARGE A/N: 429391	D180			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-403 A/N: 429391	D181			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 429391	D182	C200		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 429391	D251			PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, HOLDING, COVERED A/N: 429391	D252			PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: GYPSUM ROCK PROCESSING</b>					
HEATER, NATURAL GAS, COMBUSTION ENG. COMPANY, MODEL 11 V, FLASH DRYING, 15 MMBTU/HR WITH A/N: 429391  BURNER, NATURAL GAS, MAXON, MODEL CROSSFIRE, WITH LOW NOX BURNER, 15 MMBTU/HR	D183		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 80 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.2
CONVEYOR, SCREW, 12S-75 A/N: 429391	D184			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, 9S-704 A/N: 429391	D185			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, LAND PLASTER A/N: 429391	D188	C197 C250		PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, LANDPLASTER A/N: 429391	D189	C197		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 429391	D190			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, PNEUMATIC A/N: 429391	D191			PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE, WASTE TRIM, WIDTH: 6 FT 9 IN; HEIGHT: 8 FT 6 IN; LENGTH: 10 FT A/N: 429391	D193	C200		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 429391	D194			PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, E-10 A/N: 429391	D196	C200		PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: GYPSUM ROCK PROCESSING</b>					
BAGHOUSE, NO.3, DACRON, SLY DYNACLONE, (LAND PLASTER), 2920 SQ.FT. A/N: 295096	C197	D43 D58 D161 D162 D163 D164 D188 D189		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
BAGHOUSE, NO. 22 AC, CLOTH FILTER, SLY, (TRANSFER HOUSE), 454 SQ.FT. A/N: A27510	C198	D160		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
BAGHOUSE, 80 BAGS, FLEX KLEEN, MODEL 84-WRB-80-II, (DRY WASTE), 848 SQ.FT. A/N: 295100	C199	D174 D176 D177 D179		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-6411G, (BET), 640 SQ.FT. A/N: 295101	C200	D182 D193 D196		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
<b>Process 8: MINERAL PRODUCTS: GYPSUM ORE</b>					
<b>System 1: RECEIVING, GRINDING, &amp; STORAGE</b>					
HOPPER, DUMP, RECEIVING, WITH DUST SUPPRESSION WATER SPRAYS A/N: 334625	D201	C241		PM: (9) [RULE 405, 2-7-1986]	CI.1, D323.1
CONVEYOR, BELT, B-1, WITH DUST SUPPRESSION WATER SPRAYS A/N: 334625	D202	C241		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, B-2, REVOLVING SHUTTLE, WITH DUST SUPPRESSION WATER SPRAYS A/N: 334625	D203	C241		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR A/N: 334625	D242	C241		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW A/N: 334625	D243			PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8: MINERAL PRODUCTS- GYPSUM ORE</b>					
STORAGE SILO, STORAGE DOME, DIAMETER: 176 FT A/N: 334625	D204			PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, CARTRIDGE FILTER, TORIT, MODEL DFT-4-48, PULSE JET CLEANING TYPE, 5712 SQ.FT.; 48 CARTRIDGE A/N: 332017	C241	D201 D202 D203 D242		PM: (9) [RULE 404, 2-7-1986]	D12.2, D322.1, D381.1, E448.1, K67.1
<b>Process 11: AIR POLLUTION CONTROL- PLASTER &amp; STUCCO</b>					
BAGHOUSE, NO. 6A, DACRON, (BP STUCCO BIN #2), 242 SQ.FT. A/N: A27506	C208	D82		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.2, E448.1, K67.1
BAGHOUSE, NO. 6, DACRON, SLY, (BP STUCCO BIN #1), 242 SQ.FT. A/N: A27507	C209	D81		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.2, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-96-XL-IIIG, (CALCIDYNE #1), 960 SQ.FT.; 96 BAGS A/N: 120521	C210	D64		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-96-XL-IIIG, (CALCIDYNE #3), 960 SQ.FT.; 96 BAGS A/N: 120523	C211	D66		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-96-XL-IIIG, (CALCIDYNE #5), 960 SQ.FT.; 96 BAGS A/N: 120525	C212	D68		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-48-XL-IIIG, (CALCIDYNE HOT STUCCO), 480 SQ.FT.; 48 BAGS A/N: 120527	C213	D71 D77		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.2, E448.1, K67.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
 (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits  
 (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 11: AIR POLLUTION CONTROL: PLASTER &amp; STUCCO</b>					
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-96-XL-IIIG, (CALCIDYNE #2), 960 SQ.FT.; 96 BAGS A/N: 120522	C214	D65		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FLEX KLEEN, MODEL 84-WRBC-96-XL-IIIG, (CALCIDYNE #4), 960 SQ.FT.; 96 BAGS A/N: 120524	C215	D67		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
BAGHOUSE, BAGHOUSE & INDUSTRIAL SHEET METAL SERVICES, INC., POLYESTER, PULSE JET CLEANING TYPE, 20 H.P., 2510 SQ.FT.; 192 BAGS A/N: 417398	C250	D75 D76 D77 D188		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E448.1, K67.1
<b>Process 12: AIR POLLUTION CONTROL: MISC</b>					
BAGHOUSE, FIBERGLASS, PANGBORN, MODEL 2812, (RM #1), 5040 SQ.FT. A/N: A27513	C219	D165 D167		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
BAGHOUSE, FIBERGLASS, PANGBORN, MODEL 2812, (RM #2), 5040 SQ.FT. A/N: A27509	C220	D166 D168		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E448.1, K67.1
<b>Process 13: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E237			ROG: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.1
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E239			ROG: (9) [RULE 1128, 3-8-1996; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	

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|--|--|
| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
|--|--|

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E240			<b>ROG: (9) [RULE 1113, 7-13-2007; RULE 1113, 9-6-2013; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]</b>	K67.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (10) See section J for NESHAP/MACT requirements
- \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
NEW NGC, INC.**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE  
 NEW NGC, INC.**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D41	1	1	3
D42	1	1	3
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D55	1	2	1
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D59	1	2	1
D60	1	2	1
D61	1	2	1
D62	1	2	1
D63	1	2	1
D64	2	2	1
D65	2	2	1
D66	2	2	1
D67	2	2	1
D68	3	2	1
D69	3	2	1
D70	3	2	1
D71	3	2	1
D72	3	2	1
D73	3	2	1
D75	3	2	1
D76	3	2	1
D77	3	2	1
D79	3	2	1
D80	3	2	1
D81	3	2	1
D82	3	2	1
D83	4	3	0
D84	4	3	0
D85	4	3	0
D86	4	3	0
D94	4	3	0

**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D95	4	3	0
D96	4	3	0
D99	4	3	0
C107	5	3	0
D109	5	4	1
D110	5	4	1
D111	5	4	1
D116	6	5	0
D118	6	5	0
D121	6	5	0
D127	6	5	0
D128	6	5	0
D129	6	5	0
D130	6	5	0
D131	6	5	0
D132	6	5	0
D133	6	5	0
D134	6	5	0
C141	6	5	0
D153	7	7	1
D154	7	7	1
D155	7	7	1
D156	7	7	1
D157	7	7	1
D158	7	7	1
D159	8	7	1
D160	8	7	1
D161	8	7	1
D162	8	7	1
D163	8	7	1
D164	8	7	1
D165	8	7	1
D166	8	7	1
D167	8	7	1
D168	8	7	1

**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D169	8	7	1
D170	8	7	1
D171	8	7	1
D172	8	7	1
D173	9	7	1
D174	9	7	1
D175	9	7	1
D176	9	7	1
D177	9	7	1
D178	9	7	1
D179	9	7	1
D180	9	7	1
D181	9	7	1
D182	9	7	1
D183	10	7	1
D184	10	7	1
D185	10	7	1
D188	10	7	1
D189	10	7	1
D190	10	7	1
D191	10	7	1
D193	10	7	1
D194	10	7	1
D196	10	7	1
C197	11	7	1
C198	11	7	1
C199	11	7	1
C200	11	7	1
D201	11	8	1
D202	11	8	1
D203	11	8	1
D204	12	8	1
C208	12	11	0
C209	12	11	0
C210	12	11	0

**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
C211	12	11	0
C212	12	11	0
C213	12	11	0
C214	13	11	0
C215	13	11	0
C219	13	12	0
C220	13	12	0
D225	7	5	0
D226	7	5	0
D231	4	3	0
E237	13	13	0
E239	13	13	0
E240	14	13	0
C241	12	8	1
D242	11	8	1
D243	11	8	1
D244	6	5	0
D245	6	5	0
C246	7	5	0
C249	5	4	1
C250	13	11	0
D251	9	7	1
D252	9	7	1
D254	4	3	0
D255	4	3	0
D256	4	3	0
D257	4	3	0
D258	5	3	0
D259	5	3	0
C262	5	3	0
D263	5	3	0
D264	5	3	0

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

#### **FACILITY CONDITIONS**

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

F14.2 The operator shall not use fuel oil containing sulfur compounds in excess of 500 ppm by weight.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

F14.3 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

#### **DEVICE CONDITIONS**

##### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the unloading rate to no more than 68976 ton(s) in any one month.

For the purpose of this condition, unloading rate shall be defined as the amount of gypsum unloaded.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D201]

C1.2 The operator shall limit the material processed to no more than 1200 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total amount of stucco processed in this system.

This limit shall be based on the total combined limit for equipment Device IDs D64, D65, D66, D67, and D68.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D64, D65, D66, D67, D68]

##### **D. Monitoring/Testing Requirements**

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C107, C210, C211, C212, C213, C214, C215, C246, C249, C250, C262]

D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C241]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C107, C141, C197, C198, C199, C200, C208, C209, C210, C211, C212, C213, C214, C215, C219, C220, C241, C246, C249, C250, C262]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D41, D42, D43, D45, D55, D56, D57, D58, D59, D60, D61, D62, D63, D69, D70, D71, D72, D73, D75, D76, D77, D79, D80, D81, D82, D83, D84, D85, D86, D94, D95, D96, D99, D109, D110, D111, D116, D118, D121, D127, D128, D129, D130, D131, D132, D133, D134, D153, D154, D155, D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D168, D169, D170, D171, D172, D173, D174, D175, D176, D177, D178, D179, D180, D181, D182, D184, D185, D188, D189, D190, D191, D193, D194, D196, D201, D202, D203, D204, D225, D231, D242, D243, D244, D245, D251, D252, D254, D255, D256, D257, D258, D259, D263, D264]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D64, D65, D66, D67, D68, D183, D226]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C107, C197, C198, C199, C200, C210, C211, C212, C214, C215, C219, C220, C241, C249, C250, C262]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

**The operator shall comply with the terms and conditions set forth below:**

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C141, C208, C209, C213, C246]

#### **E. Equipment Operation/Construction Requirements**

E448.1 The operator shall comply with the following requirements:

Dust collected in the baghouse shall be discharged only into closed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C107, C141, C197, C198, C199, C200, C208, C209, C210, C211, C212, C213, C214, C215, C219, C220, C241, C246, C249, C250, C262]

#### **H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1122

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[Devices subject to this condition : E237]

#### **K. Record Keeping/Reporting**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

The date, time and description of any maintenance or repairs resulting from the inspection.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**The operator shall comply with the terms and conditions set forth below:**

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C107, C141, C197, C198, C199, C200, C208, C209, C210, C211, C212, C213, C214, C215, C219, C220, C241, C246, C249, C250, C262]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E240]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
  - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. NOx Monitoring Conditions**

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

**B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall, as applicable:**

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO<sub>x</sub> concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

**C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:**

Not Applicable

**II. NO<sub>x</sub> Source Testing and Tune-up conditions**

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. Recordkeeping Requirements for all RECLAIM Sources**

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### **II. Reporting Requirements for all RECLAIM Sources**

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### **NO<sub>x</sub> Reporting Requirements**

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO<sub>x</sub> source, the total daily mass emissions of NO<sub>x</sub> and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]
2. Calculate NO<sub>x</sub> emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
3. Submit an electronic report within 15 days following the end of each month totaling NO<sub>x</sub> emissions from all major NO<sub>x</sub> sources during the month. [2012]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

**B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall:**

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NO<sub>x</sub> mass emissions from each large NO<sub>x</sub> source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

**C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall:**

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**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR  
RECLAIM SOURCES**

Not Applicable

**FACILITY PERMIT TO OPERATE  
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**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

NONE

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

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**SECTION J: AIR TOXICS**

**NOT APPLICABLE**

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION K: TITLE V Administration**

#### **GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### **Payment of Fees**

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION K: TITLE V Administration

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION K: TITLE V Administration**

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION K: TITLE V Administration**

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
  
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
  
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

### **REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **SECTION K: TITLE V Administration**

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

### **PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1113	7-13-2007	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1128	3-8-1996	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-9-2006	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE  
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**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219**

1. PAPER EDGE BURNERS, NATURAL GAS
2. BOILERS, NATURAL GAS

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

## FACILITY PERMIT TO OPERATE NEW NGC. INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

**Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 07-13-2007]**

**TABLE OF STANDARDS (cont.)  
VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE NEW NGC, INC.**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solid the application of any architectural coating within in the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013] TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>1</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## **FACILITY PERMIT TO OPERATE NEW NGC. INC.**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1128 03-08-1996]**

Except as otherwise provided in Rule 1128

- (1) The operator shall not use or apply any coating in any paper, fabric or film coating application process, with or without heating ovens, unless:
  - (A) The coating contains less than 265 grams of VOC per liter of coating less water, and less exempt compounds, as applied.
- (2) The operator shall not use or apply any plastisol to any paper, fabric, or film substrate unless the coating contains less than 20 grams of VOC per liter of coating, less water, and less exempt compounds, as applied.
- (3) The operator shall not use wash primer on any paper, fabric, and/or film used in any paper, fabric, and/or film coating application process, with or without heating ovens, unless:
  - (A) The wash primer contains less than 265 grams of VOC per liter of material used.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

**FACILITY PERMIT TO OPERATE  
 NEW NGC. INC.**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 02-01-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2010
	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

**FACILITY PERMIT TO OPERATE  
 NEW NGC, INC.**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1171 05-01-2009]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE NEW NGC. INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

**FACILITY PERMIT TO OPERATE  
 NEW NGC, INC.**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

**FACILITY PERMIT TO OPERATE  
 NEW NGC. INC.**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE NEW NGC, INC.

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
**Title V Permit Summary**

AQMD Facility ID: 12428		Company Name: NEW NGC INC.											
Equipment Location: 1850 Pier B Street, Long Beach, Ca 90813			SIC Code: 3275										
Permit Revision #:	Revision Date:	Facility Permit Section(s) Affected: All											
Application #(s): 547236		Application Submittal Date(s): 12/26/2012											
AQMD Contact Person: Manuel Quizon		Phone #: (909) 396-2639	E-Mail Address: @aqmd.gov										
Project Description: This is an existing facility, applying for a Title V permit renewal, that is engaged in the manufacturing of wallboards and joint compounds. The facility operates storage silos, surge bins, hoppers, conveyors, feeders, screens, a hammermill, mills, bucket elevators, mixers, furnaces, a heater, emergency internal combustion engine and other supporting equipment. Particulate matter emissions from the storage silos, surge bins, conveyors, screens, hammermill, mills, bucket elevators, mixers, furnaces and hoppers are vented to air pollution control equipment baghouses.													
Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal													
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input checked="" type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance													
Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2012		<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> The Following TACs Were Reported: <table border="0" style="margin-left: 20px;"> <tr> <td>Ammonia</td> <td align="right">1426.848</td> </tr> <tr> <td>Benzene</td> <td align="right">2.904</td> </tr> <tr> <td>Formaldehyde</td> <td align="right">6.163</td> </tr> <tr> <td>Naphthalene</td> <td align="right">0.133</td> </tr> <tr> <td>PAHs, total, with components not reported</td> <td align="right">0.044</td> </tr> </table>		Ammonia	1426.848	Benzene	2.904	Formaldehyde	6.163	Naphthalene	0.133	PAHs, total, with components not reported	0.044
Ammonia	1426.848												
Benzene	2.904												
Formaldehyde	6.163												
Naphthalene	0.133												
PAHs, total, with components not reported	0.044												
Health Risk From Toxic Air Contaminants:		<input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input type="checkbox"/> Health Risk Reduction Plan Approved (AQMD Rule 1402) (Year): _____ <input checked="" type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input checked="" type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submittal Pending <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved (date) _____ Cancer Risk = <u>in one million</u> Acute Hazard Index = _____ Chronic Hazard Index = _____											
Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2012		<input checked="" type="checkbox"/> NOx 8.7 <input checked="" type="checkbox"/> PM 18.78 <input checked="" type="checkbox"/> CO 7.803 <input checked="" type="checkbox"/> SOx 0.133 <input checked="" type="checkbox"/> VOC 1.93 <input type="checkbox"/> Other: _____											
Compliance History: <input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 1) <input type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 0)													
Comments: The facility was issued a Notice to Comply (D10796) on 12/4/12 and the notice to comply was resolved on 12/17/12.													

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Renewal Permit

<b>Facility Name:</b>	New NGC Inc.
<b>Facility ID:</b>	12428
<b>SIC Code:</b>	3275
<b>Equipment Location:</b>	1850 Pier B Street Long Beach, CA 90813
<b>Application No.:</b>	547236
<b>Application Submittal Date:</b>	12/26/12
<b>AQMD Contact Person:</b>	Quizon, Manuel
<b>Phone Number:</b>	(909)396-2639
<b>E-Mail Address:</b>	mquizon@aqmd.gov

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#### 1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and SCAQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and request the SCAQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The SCAQMD implements Title V through Regulation XXX -- Title V Permits, adopted by the SCAQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO<sub>2</sub>, SO<sub>2</sub>, and lead are in attainment with federal standards. The status of CO is currently serious nonattainment, but SCAQMD has petitioned to EPA for redesignation to

attainment status. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V renewal permit is proposed to be issued to cover the operations of New NGC Inc. located at 1850 Pier B Street, Long Beach, CA 90813. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility, applying for a Title V permit renewal, that is engaged in the manufacturing of wallboards and joint compounds. The facility operates storage silos, surge bins, hoppers, conveyors, feeders, screens, a hammermill, mills, bucket elevators, mixers, furnaces, a heater, an emergency internal combustion engine and other supporting equipment. Particulate matter emissions from the storage silos, surge bins, conveyors, screens, hammermill, mills, bucket elevators, mixers, furnaces and hoppers are vented to air pollution control equipment baghouses.

## **3. Construction and Permitting History**

The facility has been in constant operation with a Title V permit at this location since 1999. Numerous permits to construct and or permits to operate have been issued to the facility since September 1999. An initial Title V permit was issued to the facility on October 18, 1999 and several permit revisions were subsequently issued to this facility.

## **4. Regulatory Applicability Determinations**

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Sections D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not a major HAP source. This facility is not subject to any NSPS or NESHAP requirements.

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Sections D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001). The PM10 emissions from the storage silos, surge bins, mixers, conveyors, screens, hammermill, mills, furnaces, bucket elevators and hoppers are vented to air pollution control equipment baghouses. However,

since the pre-control potential to emit of PM10 vented to each baghouse is less than 70 tons/year, the Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 are not applicable to the baghouses.

**6. Permit Features**

Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

**7. Summary of Emissions and Health Risks**

**Criteria Pollutant Emissions (tons/year)  
Annual Reported Emissions for Reporting Period 2012**

Pollutant	Emissions (tons/year)
CO	7.803
NOX	8.7
VOC	1.93
SOX	0.133
PM	18.78

**Toxic Air Contaminants Emissions (TAC)  
Annual Reported Emissions for Reporting Period 2012**

The Following TACs Were Reported	Emissions (lbs/yr)
Ammonia	1426.848
Benzene	2.904
Formaldehyde	6.163
Naphthalene	0.133
PAHs, total, with components not reported	0.044

## **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The SCAQMD is tracking the status of the facility under AB2588.

### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit since 1999. The facility has been subject to both self-reporting requirements and SCAQMD inspections. The facility had no citizen complaints filed or Notices of Violations issued in the last two years. However, the facility was issued a Notice to Comply (D10796) on 12/4/12 to comply with the following requirements:

- a) conduct RECLAIM Large source tests once every 3 year period.
- b) submit Title V 500-SAM report on time.
- c) report daily total emissions and status codes for Major source on time.
- d) use the correct BAF (Bias Adjustment Factor) for Major source.
- e) apply MDP (Missing Data Procedure) correctly for Major source.

The facility is currently operating in compliance with all applicable rules and regulations.

### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this Title V renewal permit, the reporting frequency for compliance certification for the facility shall be annual.



# South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## NOTICE OF PROPOSED TITLE V RENEWAL PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit that was previously issued to the following facility:

### **New NGC, Inc.**

1850 Pier B Street  
Long Beach, CA 90813  
Facility ID# 12428

### *Contact Person:*

Steve Rogers  
Plant Manager  
1850 Pier B Street  
Long Beach, CA 90813

This facility is operating storage silos, surge bins, hoppers, conveyors, feeders, screens, a hammermill, mills, bucket elevators, mixers, furnaces, a heater, emergency internal combustion engine and other supporting equipment. Particulate matter emissions from the storage silos, surge bins, conveyors, screens, hammermill, mills, bucket elevators, mixers, furnaces and hoppers are vented to air pollution control equipment baghouses.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, the above facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The proposed permit is available for public review at AQMD, 21865 Copley Drive,

Diamond Bar, CA 91765 and at the Long Beach Public Library, 101 Pacific Avenue, Long Beach, CA 90822. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Submit written comments to:

South Coast Air Quality Management District  
Chemical/Mechanical Operations Team  
21865 Copley Drive  
Diamond Bar, CA 91765  
Attention: Manuel Quizon

Comments must be received by October 13, 2014. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Manuel Quizon at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. The request for a public hearing is due by September 29, 2014. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

ENGINEERING DIVISION

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**PERMIT TO OPERATE**

NEW NGC INC.  
1850 PIER B STREET  
LONG BEACH, CA 90801

**EQUIPMENT DESCRIPTION**

**APPLICATION NO. 547237**

DEVICE NO. D201, HOPPER, DUMP, RECEIVING, WITH DUST SUPPRESSION  
WATER SPRAY

**APPLICATION NO. 547238**

MODIFICATION TO BAGHOUSE (C246) BY:

1. THE ADDITIONAL VENTING OF THE FOLLOWING EQUIPMENT:
  - A. BUCKET ELEVATOR, VERMICULITE (D129)
  - B. CONVEYOR, SCREW, DRY ADDITIVE (D131)

**APPLICATION NO. 547239**

MODIFICATION TO THE MINERAL PRODUCTS: STUCCO SYSTEM (PROCESS 2)  
BY THE REMOVAL OF THE FUEL OIL NO. 2 FROM THE FOLLOWING  
EQUIPMENT:

- A. FURNACE, CALCINING, NO. 1, NATURAL GAS, 7 MMBTU/HR (D64)
- B. FURNACE, CALCINING, NO. 2, NATURAL GAS, 7 MMBTU/HR (D65)
- C. FURNACE, CALCINING, NO. 3, NATURAL GAS, 7 MMBTU/HR (D66)
- D. FURNACE, CALCINING, NO. 4, NATURAL GAS, 7 MMBTU/HR (D67)
- E. FURNACE, CALCINING, NO. 5, NATURAL GAS, 7 MMBTU/HR (D68)

**APPLICATION NO. 547240**

MODIFICATION TO THE WALLBOARD MANUFACTURING SYSTEM. (PROCESS  
5) BY:

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

*ENGINEERING DIVISION*

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1. DISCONNECTING THE FOLLOWING EQUIPMENT FROM BAGHOUSE (C140) AND VENTING THE SAME EQUIPMENT TO BAGHOUSE (C246):

- A. BUCKET ELEVATOR, VERMICULITE (D129)
- B. CONVEYOR, SCREW, DRY ADDITIVE (D131)

**APPLICATION NO. 559249**

MODIFICATION TO THE RECLAIM/TITLE V FACILITY PERMIT.

**HISTORY**

The company is in the business of producing gypsum wallboards.

Application no. 547237 was filed on 12/26/12 for change of condition on an existing hopper (D201) operating under Permit to Operate No. F39335 (A/N 334625). The company is requesting to change condition C1.1 by changing the unloading rate from 23,600 tons in any day to 68,976 tons in any one month.

Application no. 547238 was filed on 12/26/12 for modification of an existing baghouse (C246) operating under Permit to Operate No. F39333 (A/N 339719). The modification is to add the venting of a bucket elevator (D129) and a screw conveyor (D131). The bucket elevator (D129) and screw conveyor (D131) were previously vented to baghouse C140 which was taken out of service and removed.

Application no. 547239 was filed on 12/26/12 for modification of existing furnaces (D64 thru D68) operating under permit to operate F62286 (A/N 417399) by removing the standby fuel oil no. 2. The company decided to remove the capability of the furnaces to use fuel no. 2 in case of natural gas curtailment.

Application no. 547240 was filed on 12/26/12 for modification of existing bucket elevator (D129) and screw conveyor (D131) operating under permit to operate F15938 (A/N 339715). The modification is to vent the bucket elevator (D129) and screw conveyor (D131) to an existing baghouse C246. The bucket elevator (D129) and screw conveyor (D131) were previously vented to baghouse C140 which was taken out of service and removed.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

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Application no. 559249 was filed on 12/20/13 for modification of the RECLAIM/Title V facility permit.

**PROCESS DESCRIPTION**

For process description, see the supplemental information submitted by the company's consultant.

**CALCULATION****APPLICATION NO. 547237**

The company is requesting to change condition C1.1 by changing the unloading rate from daily to monthly limit. Previous calculations under A/N 334625 showed that the company receives a maximum of 2 ships/month and it takes 36 hours to unload a ship at a process weight rate of 958 tons/hr (see previous calculations below). The change of condition will not result in any emission increase, previous NSR entry will be used.

Process weight rate = 958 tons/hr, 22,992 tons/day, 68,976 tons/mo

Operating Schedule: 24 hrs/day, 3 days/mo, 12 mos/yr

No. of transfer point = 3

Assumption:

Baghouse control efficiency = 99%

Emission factor (transfer point):

Uncontrolled PM10 = 0.06 lb/ton (from AP 42 Table 8.19.1-1, Uncontrolled Particulate Emission Factors for Sand and Gravel processing Plants, 9/85)

Uncontrolled PM10 emissions = 958 tons/hr x 0.06 lb/ton x 3 = 172.44 lbs/hr

= 172.44 lbs/hr x 72 hrs/mo = 12,415.68 lbs/mo

(30 day average)

= (12,415.68 lbs/mo)/30 days/mo = 413.86 lbs/day

Controlled PM10 emissions = 172.44 lbs/hr x (1-0.99) = 1.72 lbs/hr

= 1.72 lbs/hr x 72 hrs/mo = 123.84 lbs/mo

(30 day average)

= (123.84 lbs/mo)/30 days/mo = 4.128 lbs/day

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**APPLICATION NO. 547239**

The modification of the existing furnaces (D64 thru D68) by removing the capability of the furnaces to use fuel no. 2 will not result in any emission increase, previous NSR entry will be used.

**RULE EVALUATION**

**RULE 212 (c)(1):** This section requires a public notice for all new or modified permit units that emit air contaminants located within 1,000 feet from the outer boundary of a school.

No public notice is required since the nearest school from this facility is approximately 1,560 feet.

**(c)(2):** This section requires a public notice for all new or modified facilities that have on-site emission increases exceeding any of the daily maximums as specified by Rule 212(g).

The proposed project will not result in any emission increase for the entire facility. A Rule 212(c) (2) notice will not be triggered since the emission increase is below the daily maximum specified in Rule 212(g).

**(c)(3):** This section requires a public notice for all new or modified permit unit with increases in emissions of toxic air contaminants listed in Table I of Rule 1401 resulting in MICR greater than 1E-6 per permit unit or greater than 10E-6 per facility.

The proposed project will not result in an emission increase of toxic emissions associated with the operation. Therefore Public Notice is not required under this section of the rule.

**RULE 219** No exempt equipment in this project.

**RULE 401** No visible emission is expected.

**RULE 402** No nuisance is expected.

**RULE 404** Equipment is expected to operate in compliance.

**RULE 405** Equipment is expected to operate in compliance.

**GRANT 105 & STACK DATA** Emissions are expected to be under the threshold limits of 17 tons/year.

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**REG XIII/XX** The revised version of Reg. XIII ( eff. 4/20/01 ) is applicable.

**OFFSET:**

**A/N 547237:** As shown on the above calculation, the change of condition of the ship unloading rate will not result in any emission increase therefore no emission offset is required.

**A/N 547239:** As shown on the above calculation, the modification of the furnaces will not result in any emission increase therefore no emission offset is required.

**BACT:**

**A/N 547237:** As shown on the above calculation, the change of condition of the ship unloading rate will not result in any emission increase therefore BACT is not required.

**A/N 547239:** As shown on the above calculation, the modification of the furnaces will not result in any emission increase therefore BACT is not required.

**MODELING:**

**A/N 547237:** As shown on the above calculation, the change of condition of the ship unloading rate will not result in any emission increase therefore modeling is not required.

**A/N 547239:** As shown on the above calculation, the modification of the furnaces will not result in any emission increase therefore modeling is not required.

**RULE 3000** As shown on the above evaluation, the modification will not result in any net emission increase for all criteria pollutants; therefore, the modification to the Title V permit is a minor permit revision.

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*ENGINEERING DIVISION*

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**RECOMMENDATION**

Issue permit to operate with conditions.