Queens West Development

Parcel 9

QUEENS, NEW YORK

2016 Periodic Review Report and Annual Certification

NYSDEC BCP Number: C241049

ATC Project Number:

Z214DC0032

Prepared for:

AvalonBay Communities
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JANUARY, 2017

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1.0 INTRODUCTION

In January of 2016, AvalonBay Communities Inc., (AvalonBay), retained ATC Group Services LLC (ATC) to prepare the Periodic Review Report (PRR) for 2016 (formerly referred to as Site Management Report) and Annual Certification of Institutional and Engineering Controls for the site, which is identified as Queens West Development – Parcel 9. The following introductory and background discussions are according to the PRR prepared by AKRF Engineering, P.C. (AKRF) and dated February 2008.

The Queens West Development is a project of the Queens West Development Corporation (QWDC), a subsidiary of New York State's Empire State Development Corporation (NYSEDC), under the collective sponsorship of the Port Authority of New York and New Jersey, the New York City Economic Development Corporation (NYCEDC), and Empire State Development Corporation. The overall Queens West Development site comprises 74 acres along the East River in Hunters Point, Queens, extending from Anable Basin to the north to Newtown Creek to the south (Figure 1). Stage I of the development involved construction of residential buildings on the portion of the site between 47th Road and 50th Avenue. The development sites in this area were designated as Parcels 8, 9, 10, and 11, as shown on Figure 2.

In August 1998, a Voluntary Cleanup Agreement (VCA) was entered into between New York State Department of Environmental Conservation (NYSDEC) and QWDC. This agreement covered Parcels 8, 9, and 11 and the portion of Center Boulevard between Parcels 8 and 9. In July 2000, the VCA was amended to allow it to be divided into separate agreements for each parcel, which would be executed by the designated developer for the parcel. Accordingly, after AvalonBay was selected as the developer of Parcels 8, 9, and 11, AvalonBay executed separate agreements for each of the three parcels in September 2000. In March 2004, AvalonBay requested that NYSDEC transition Parcels 8 and 9 into the Brownfield Cleanup Program (BCP), with the BCP Agreements for both parcels being signed by the NYSDEC and becoming effective on June 28, 2005.

Subsurface contamination at Parcel 9 was remediated between August 2005 and May 2006 in accordance with the NYSDEC-approved Remedial Work Plan (revised August 2005). The site remediation was documented in a Final Engineering Report (FER) dated December 2006, and on-going site management requirements were specified in a Site Management Plan (SMP), which was included as an attachment to the FER. NYSDEC issued a Certificate of Completion for Parcel 9 on December 29, 2006. The purpose of this PRR and Annual Certification is to document on-going site management activities associated with Engineering and Institutional Controls for the site during the 2016 calendar year, and to certify those controls in accordance with the SMP.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

Parcel 9 is located in the Hunters Point section of Queens, New York. The parcel is bound by 5th Street on the east, 48th Avenue on the south, Center Boulevard on the west, and 47th Road on the north. It has a total area of approximately 1.79 acres, and is defined as Lots 1, 5, and 19 of Tax Block 19 of Queens County. The site is currently occupied by an L-shaped high-rise apartment building located in the western and southwestern portions of the site, a multi-level parking garage located in the eastern portion of the site, with townhouses located south of the garage, along 48th Avenue. Approximately 2,300 square feet of retail space are located on the ground floor of the residential building, along Center Boulevard. A courtyard and driveway are located in the center of the site, providing access to the parking garage and loading dock from 47th Road. A Site Plan is provided as Figure 3.

2.2 REMEDIAL INVESTIGATION FINDINGS

2.2.1 Geology, Hydrogeology and Subsurface Characteristics

The geotechnical studies conducted prior to site redevelopment indicated that the top 10 to 12 feet of soil on the parcel consisted of historic urban fill material. This was underlain in most borings by a layer of alluvial sand up to 17 feet thick. A stratum of soft gray organic silty clay, generally less than 10 feet thick and representing old marsh deposits, was present inter-layered in the sand at many locations. Below the sand and organic deposits was a layer of glacial till up to 30 feet thick. This consisted of compact fine to coarse sand with some gravel, silt, clay, clay pockets, and boulders. The surface of the till was found at an elevation of -10 to -12 feet (Queens Borough Datum) over most of the parcel, dipping sharply to a depth of -30 feet in the southwest corner of the parcel. Bedrock was encountered at elevation -20 to -30 feet over most of the parcel, dipping in the southwest corner, to a minimum elevation of -55 feet.

Groundwater studies performed at the site and in surrounding areas indicated a general groundwater flow direction towards the west or southwest, with some tidal influence at locations close to the river. A localized groundwater depression in 47th Road, approximately 150 feet west of 5th Street, was noted in some studies. It is speculated that this depression was due to a leak in the storm sewer piping that runs under 47th Road.

2.2.2 Nature and Extent of Contamination

Soil Contamination

Cumulative results from the previous studies on Parcel 9 indicated the presence of two separate types of soil contamination on the site. Petroleum contamination, including the presence of light non-aqueous phase liquid (LNAPL) was centered in the north-central portion of the site. Coal tar contamination, including the presence of dense non-aqueous phase liquid (DNAPL), was found in the southwestern portion of the site, and along the western boundary of the site adjacent to Center Boulevard.

The petroleum-contaminated soil was characterized by high levels of benzene, toluene, ethylbenzene, and xylenes (BTEX), as well as other relatively light, monocyclic hydrocarbons, including cyclohexane and methylcyclohexane. Naphthalene was present in the petroleum-contaminated soil, but at lower levels than the monocyclic compounds. The heavier polycyclic aromatic hydrocarbons (PAHs) were present at relatively low concentrations (except for samples from the historic fill layer).

An area of deep contamination was identified in the southwestern portion of the site where DNAPL was found. This area corresponded to a low point in the lower confining layer (till or clay) where it is not unexpected that DNAPL would tend to accumulate. A second area of coal tar contamination was identified further north along the western boundary of the site. The coal tar-contaminated soil was characterized by high levels of naphthalene and 2-methylnaphthalene, with BTEX present, but at lower levels than naphthalene.

The surface soils on the site were characterized as historic fill material incorporating ash as well as brick, concrete, and other demolition debris. The fill contained higher and more variable concentrations of metals and heavy PAHs than the underlying native soils. Metals were detected generally at concentrations typical of soil background levels. Above-background concentrations of mercury were detected in a few soil samples. However, these appeared to be randomly distributed in the fill.

Groundwater Contamination

Petroleum and coal tar-related volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) were present at elevated levels in groundwater samples from wells in the northwest quadrant of Parcel 9, and in the area of coal tar contamination at the southwestern corner and along the western edge of the parcel. The most common compounds detected were BTEX, naphthalene, and 2-methylnaphthalene. In general, the higher levels of naphthalene were associated with the coal tar contamination along the western edge of the site, and the higher levels of benzene were associated with the petroleum contamination in the north-central portion of the site. Metals were generally either not detected or detected at concentrations well below the Class GA groundwater standards. Polychlorinated biphenyls (PCBs) and pesticides were not detected in any of the groundwater samples analyzed.

2.3 SITE REMEDIATION

2.3.1 Soil Excavation

Remediation of the petroleum and coal tar contamination identified on Parcel 9 commenced in August 2005. The remediation was conducted in accordance with the approved Remedial Work Plan (RWP), dated May 2005 (Revised August 2005). The selected remedy consisted of excavating soil containing contaminant concentrations exceeding the Site-Specific Soil Action Levels (SSSALs), with soil excavation conducted under a temporary containment structure equipped with an air handling system to control fugitive odors and dust. The remedy also included installation of a permanent subsurface containment wall, constructed of steel sheet piles driven into the low permeability till layer, to facilitate soil removal and isolate the site from off-site contamination. The remediation program also included pumping out and removing several underground storage tanks that were discovered during soil excavation activities.

Excavation and off-site disposal of all contaminated soil from within the containment wall was completed on March 30, 2006. During remediation activities, soil excavation was terminated generally at the till layer based on field screening indicating the end of gross contamination and technical limitations of excavating the till, which consisted of densely packed clay, silt, and gravel, and contained numerous cobbles and boulders. Contaminated soil was removed from the southwestern portion of the excavation to the top of a dense clay layer at approximately 27 to 34 feet below grade, on top of the till layer. DNAPL was observed in an approximately six-inch interval in sandy material just above the clay layer, indicating that the clay was acting as a confining layer preventing downward migration of DNAPL in this portion of the site. These observations were consistent with findings from previous investigations, which identified DNAPL in monitoring wells in the southwestern corner of the parcel.

Between March 30 and May 25, 2006, additional soil remediation was conducted outside of the sheeting

line in an area of historic fill containing elevated naphthalene concentrations and three areas where underground storage tanks were discovered during excavation for foundations in the proposed parking garage area.

2.3.2 Engineering Controls

In addition to soil excavation and disposal, the RWP included the installation of engineering controls to prevent exposure to residual subsurface contamination at the site. The engineering controls, which consist of a site cover, hydraulic barrier, and sub-slab vapor mitigation system, are described in more detail below.

Site Cover

At the time that the FER was submitted, the site cover consisted of: concrete building foundations in the area of the high-rise residential building, townhouses, and portions of the garage; and a temporary cover of at least two feet of clean fill meeting NYSDEC TAGM 4046 RSCOs in the future courtyard area and the remaining portion of the garage not paved with concrete. Following completion of the building construction in the second half of 2007, a permanent site cover was installed in all areas not already covered by building foundations, and included: concrete over the entire garage area; paving in portions of the courtyard area; and two feet of top soil in the remainder of the courtyard and all perimeter landscaped areas.

Hydraulic Barrier

As described in Section 2.3.1., permanent interlocking steel sheeting was installed around the entire soil remediation area to facilitate soil excavation. The sheeting was installed such that it will also serve as a hydraulic barrier to isolate the site from off-site contamination. This was accomplished by driving the sheeting into the low-permeability till or clay layer, and sealing the seams in the sheeting with hydrocarbon-resistant Adeka gaskets to prevent infiltration of contaminants back onto the site. The hydraulic barrier was installed below grade, and does not require maintenance; however, routine groundwater monitoring is conducted as specified in the SMP to gauge the effectiveness of the barrier.

Vapor Mitigation System

Site remediation included the installation of a vapor mitigation system under the residential tower and townhouses. The system consists of a vapor barrier, a sub-slab gas collection network, steel pipe risers, and aboveground blowers/instrumentation. The vapor barrier consists of a 60-mil thick, spray-applied, LiquidBoot® gas vapor membrane. The subsurface gas collection pipe network consists of Schedule 40, 4-inch diameter PVC piping with 0.02-inch slots installed in a 12-inch thick layer of gas-permeable aggregate. The slotted piping is installed in four separate zones under the on-site residential buildings, as follows:

- Zone 1 - Northern wing of high-rise building (facing Center Boulevard)
- Zone 2 - Central tower portion of high-rise building
- Zone 3 - Southern wing of high-rise building (facing 48th Avenue)
- Zone 4 - Townhouses

In each zone, a length of solid 4-inch diameter Schedule 40 PVC piping leads from the slotted piping network to an interior riser. Temporary blower assemblies were connected to the risers and activated on December 22, 2006. Following completion of the building mechanical rooms, the temporary blowers were taken out of service and the permanent blowers were installed at their designated locations and activated on December 4, 2007.

2.3.3 Institutional Controls

Institutional controls incorporated into the site remedy include an environmental easement to prohibit certain on-site uses, and implementation of a SMP specifying soil management, operation, maintenance, monitoring, and reporting procedures during future site use. These Institutional Controls are described in more detail below.

Site Management Plan

A SMP was prepared to describe procedures and protocols for post-remediation management of the site. This SMP includes four plans: an Institutional and Engineering Control Plan for implementation and management of institutional and engineering controls; a Monitoring Plan for implementation of site monitoring; an Operation and Maintenance Plan for operation of the sub-slab vapor mitigation system; and a Site Management Reporting Plan for submittal of data, information, recommendations and certifications to NYSDEC. The Institutional and Engineering Control Plan portion of the SMP includes detailed procedures for handling residual on-site contamination during future soil disturbance activities.

At the end of the 2012 reporting year, ATC requested that the groundwater sampling be reduced from quarterly to semi-annual and that the quarterly vapor sampling be discontinued along with the use of the granulated activated carbon (GAC) adsorbers (which are located at Zone 4). A letter dated June 4, 2013 received from NYSDEC indicating the request to change the frequency of groundwater monitoring from quarterly to semi-annually was approved. Subsequently, a letter was received from NYSDEC dated December 20, 2013 indicating that the quarterly sampling at the four SSDS zones may be discontinued and the carbon should be removed. The GAC adsorbers located in Zone 4 were subsequently removed from the site on February 19, 2014. Disposal documentation is provided in Appendix F.

In February 2015, ATC requested that the semi-annual groundwater sampling be discontinued and the two on-site monitoring wells (MS-11R and MW-12) and the six monitoring wells outside of the hydraulic barrier (MW-2, MW-8 and MW-14 through MW-17) be decommissioned in accordance with NYSDEC CP-43 Groundwater Monitoring Well Decommissioning Policy. An email sent June 2, 2015 from NYSDEC stated that the semi-annual round of monitoring scheduled to take place in June 2015 did not need to be conducted and that a follow-up letter from NYSDEC would be sent in response the ATC's SMP modification request. Subsequently, NYSDEC approved the discontinuation of groundwater monitoring and the decommissioning of the six on-site and two off-site monitoring wells in letters dated November 24, 2015 and March 22, 2016. These monitoring wells were permanently closed in accordance with NYSDEC CP-43 on April 5 and 6, 2016. The SMP issued in December 2016 was subsequently revised in February 2014 and April 2016. NYSDEC correspondence documentation is provided in Appendix E and well decommissioning records are included in Appendix G

Environmental Easement

An environmental easement has been recorded for the site and includes the following site use restrictions:

- Use of the site for "Restricted Residential Use".
- All engineering controls (including the site cover and sub slab vapor depressurization and active venting system) must be operated and maintained as specified in the NYSDEC-approved Site Management Plan. No Engineering and Institutional Controls may be discontinued without a NYSDEC- approved amendment or extinguishment of the Environmental Easement and/or Site Management Plan.
- Annual inspections, certifications of Institutional & Engineering controls, Site usage, and Site

Management Reporting to NYSDEC must be conducted in accordance with the NYSDEC-approved Site Management Plan.

- All future soil disturbance activities on the site that will impact residual contaminated material, including, but not limited to, building construction or expansion, sub-grade utility line construction or repair, must be conducted in accordance with the Soil Management provisions in the NYSDEC-approved Site Management Plan.

- Operation Monitoring and Maintenance (OM&M) of the sub-slab depressurization system must be performed in a manner specified in the NYSDEC-approved Site Management Plan.

- Groundwater and other environmental or public health monitoring required by the NYSDEC-approved Site Management Plan, and reporting of information thus obtained, must be performed in a manner specified in that Plan.

- On-site environmental monitoring devices, including but not limited to, groundwater monitor wells and soil vapor probes, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved Site Management Plan.

- The use of the groundwater underlying the site is prohibited without treatment rendering it safe for intended purpose.

- Vegetable gardens are prohibited.

- The site may not be used for a higher level of use such as unrestricted residential, without proper notification of NYSDEC of the change of use, approval of that use by the NYSDEC, and an amendment of the Site Management Plan approved by NYSDEC.

The environmental easement includes: a description of the use restrictions; a map showing the area of the restrictions; and a copy of the NYSDEC-approved SMP. The property deed and all subsequent instruments of conveyance will contain language indicating that the site is subject to the environmental easement. A copy of the environmental easement is included as an appendix to the SMP.

3.0 SITE COVER OPERATION AND MAINTENANCE

3.1 SITE COVER INSPECTION

ATC conducted an inspection of the entire site cover on December 23, 2016 to check the asphalt/concrete paving for cracking and/or signs of wear, and check for erosion of the soil cover in unpaved areas. All paving was found to be intact, with no signs of cracking or damage. No erosion was noted in the landscaped areas. Photographs documenting the December 23, 2016 inspection and a copy of the site cover inspection log are provided in Appendix A.

4.0 VAPOR MITIGATION SYSTEM OPERATION & MAINTENANCE

4.1 ROUTINE SYSTEM CHECKS

On-site representatives from AvalonBay conducted routine checks of the vapor mitigation system throughout the year to: ensure that the blowers were operational; record the blower runtimes as indicated on the control panels; and note any unusual conditions, such as leaks or odors. Routine checks were conducted on an approximately daily to weekly basis during the 2016 calendar year. Blower runtime data is summarized in Table 1. Copies of the routine system check log sheets are provided in Appendix B.

The zone 3 meter display was replaced on December 13, 2008, at which time the AKRF technician was able to decipher a final reading of 7415.4 hours from the broken meter. This value will be added to all subsequent readings from the new meter to calculate a total runtime for the Zone 3 blower.

Blower downtime for each zone was calculated by subtracting the blower runtimes logged during the routine system checks (converted to days), from the number of calendar days elapsed during the reporting period, as summarized in Table 1. No blower downtime was calculated for Zones 1, 2 3, and 4.

4.2 PERIODIC INSPECTIONS

Periodic system inspections were conducted by ATC personnel on a monthly basis. Copies of the inspection log sheets are provided in Appendix B. Activities conducted during the inspections included recording vacuum gauge and flow meter readings and adjusting system components to optimize system efficiency. All readings are summarized in Table 2. Vacuum readings generally ranged from 5.0 to 14 inches of water ("H2O) and total flow readings ranged from 191 to 580 cubic feet per minute (CFM), which are within the normal operating range of the blower. The differential pressure between pre-filter and post-filter vacuum readings was less than 1" H2O for all blowers. Vapor discharge sampling was discontinued and the GAC adsorbers were removed during the 2013 reporting period.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A site wide inspection was conducted on December 23, 2016, as specified in the SMP to ensure that all aspects of the remedy were in-place and effective. A copy of the Site-Wide Inspection log is included in Appendix C. The inspection included a review of the site cover/vapor mitigation system monitoring logs. Based on this review and the data evaluation summarized in this report, the following conclusions and recommendations were developed:

- The permanent site cover is present and in good condition throughout all portions of the site.
- The active sub-slab vapor mitigation system was operated on a nearly continuous basis in all four (4) zones (Zones 1, 2, 3, and 4) throughout the 2016 reporting period.
- All vacuum and flow rate measurements collected from the vapor mitigation system during the 2016 reporting period were within the operational ranges for the system blowers.

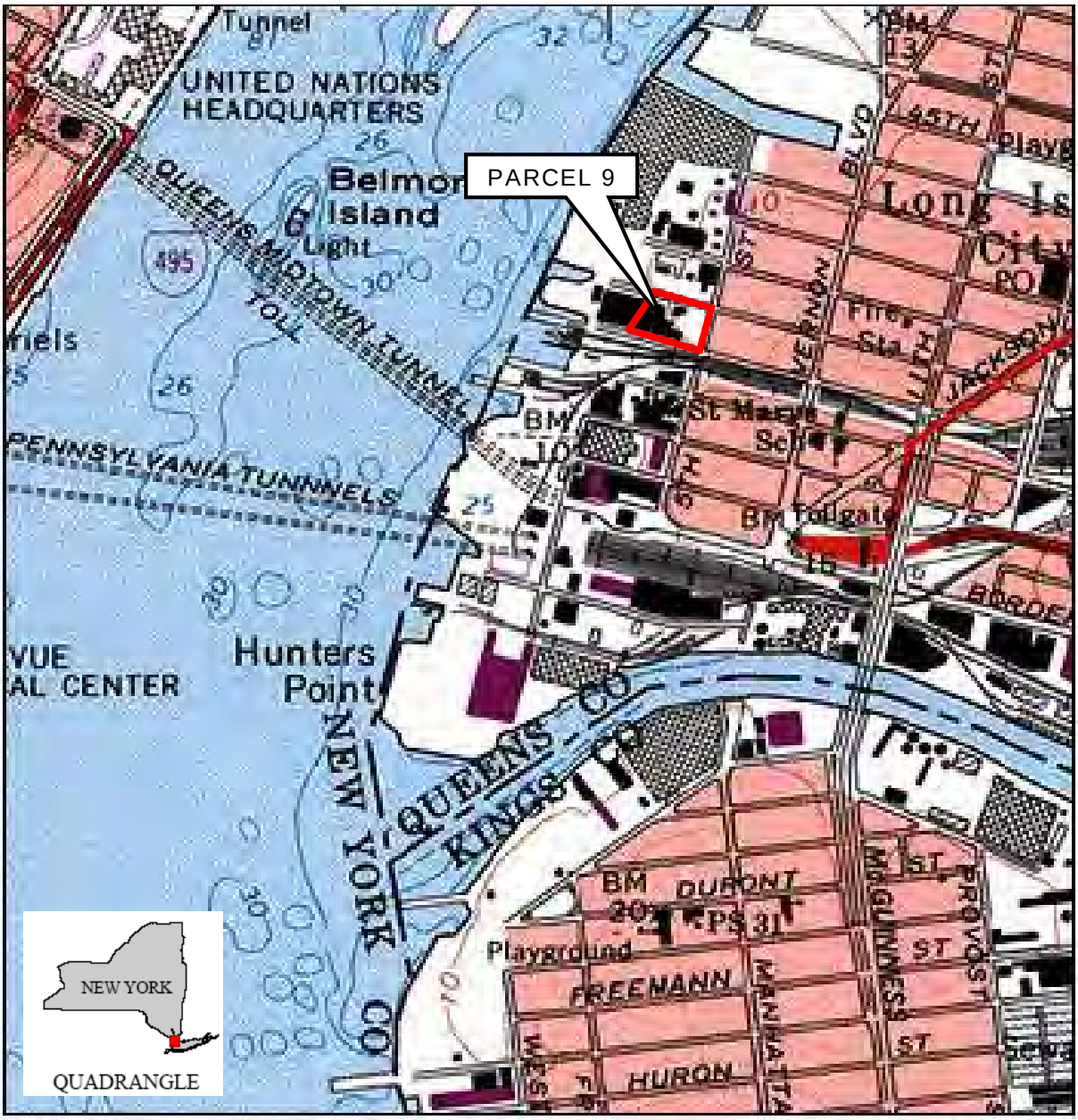
Based on review of the analytical and field data for the 2016 reporting year, ATC has the following recommendations:

- Continue the monitoring and reporting for the 2017 reporting period as identified in the modified SMP that will be submitted to NYSDEC subsequent to this PRR.

6.0 INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION

The IC/EC Certification Form for the site was completed based on results from the site monitoring and inspections described in the report. A copy of the form is provided as Appendix D. The Certification Form indicates that all ICs/ECs at the site remain in place and effective.

FIGURES



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USGS TOPO, Brooklyn, NY Quad.

FIGURE 1 – SITE LOCATION MAP

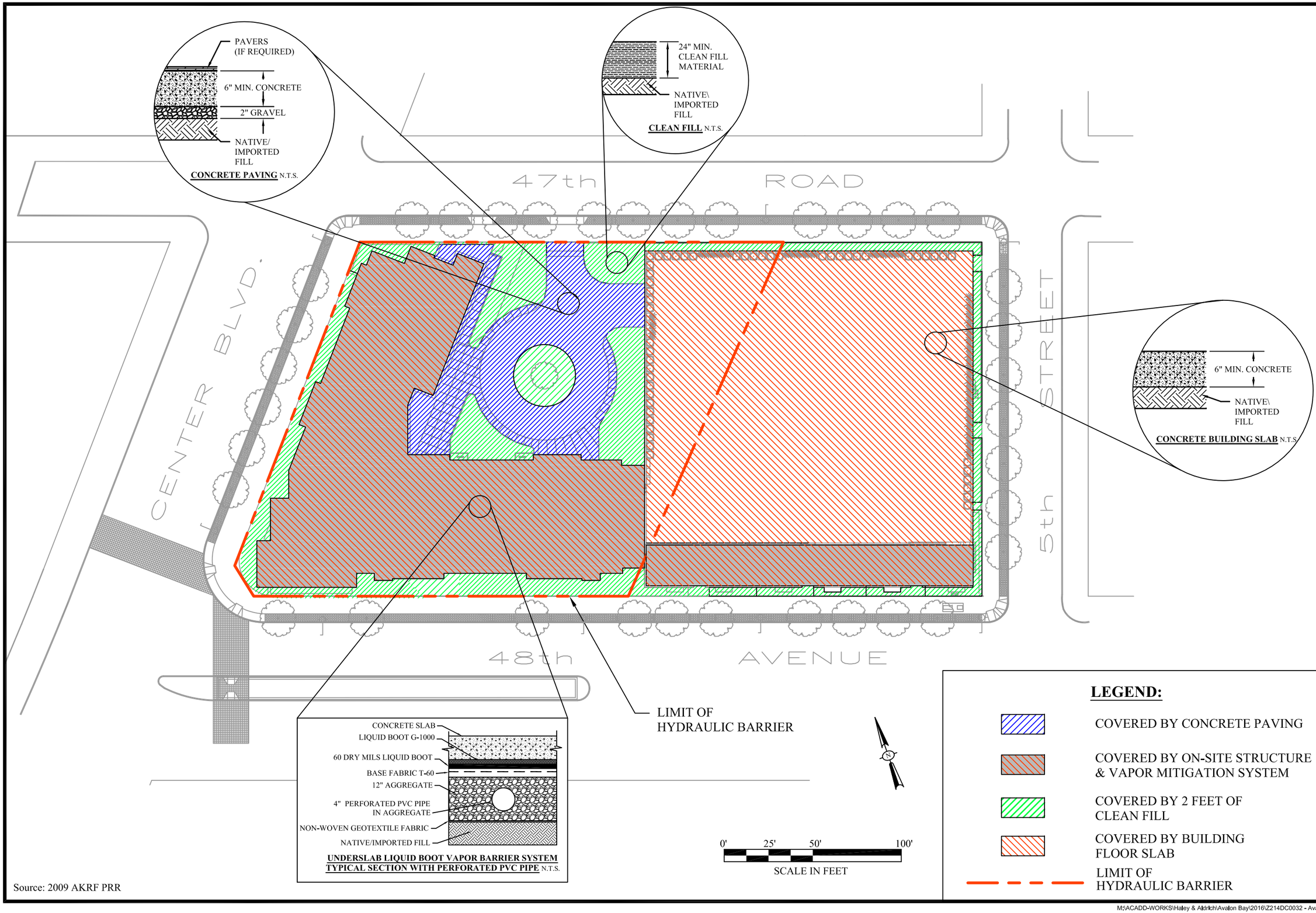
Client:	Avalon Bay Communities
Site:	Queens West Parcel 9
Project No.:	Z214DC0032
Year:	1995
Scale:	As shown



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FIGURE 2 – QUEENS WEST DEVELOPMENT PARCELS

Client:	Avalon Bay Communities
Site:	Queens West Parcel 9
Project No.:	Z214DC0032



Source: 2009 AKRF PRR

ATC
ENVIRONMENTAL • GEOTECHNICAL
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QUEENS WEST PARCEL 9
QUEENS, NEW YORK

SITE PLAN & ENGINEERING CONTROLS

DATE
JANUARY 2017

SCALE
As shown

PROJECT No.
Z214DC0032

FIGURE
3

M:\ACADD-WORKS\Haley & Aldrich\Avalon Bay\2016\Z214DC0032 - Avalon Bay\West Parcel 9\FIGURES

TABLES

TABLE 1
VAPOR MITIGATION SYSTEM BLOWER RUNTIME DATA
QUEENS WEST DEVELOPMENT - PARCEL 9

Date	Zone 1				Zone 2				Zone 3				Zone 4			
	On/Off	Runtime (hrs)	Runtime (days)[1]	Est. Downtime (days)[2]	On/Off	Runtime (hrs)	Runtime (days)[1]	Est. Downtime (days)[2]	On/Off	Runtime (hrs)	Runtime (days)[1]	Est. Downtime (days)[2]	On/Off	Runtime (hrs)	Runtime (days)[1]	Est. Downtime (days)[2]
1/23/2016	On	69,375	2890.6	0.0	On	71,378	2974.1	0.0	On	69,252	2885.5	0.0	On	70,524	2938.5	0.0
2/18/2016	On	69,947	2914.4	0.0	On	71,919	2996.6	0.0	On	69,818	2909.1	0.0	On	71,094	2962.3	0.0
3/18/2016	On	70,627	2942.8	0.0	On	72,648	3027.0	0.0	On	70,523	2938.5	0.0	On	71,794	2991.4	0.0
4/14/2016	On	72,292	3012.2	0.0	On	73,295	3053.9	0.0	On	71,168	2965.3	0.0	On	72,441	3018.4	0.0
5/31/2016	On	72,424	3017.7	0.0	On	74,426	3101.1	0.0	On	72,301	3012.5	0.0	On	73,573	3065.5	0.0
6/23/2016	On	72,972	3040.5	0.0	On	74,974	3123.9	0.0	On	72,849	3035.4	0.0	On	74,120	3088.3	0.0
7/26/2016	On	73,762	3073.4	0.0	On	75,765	3156.9	0.0	On	73,639	3068.3	0.0	On	74,911	3121.3	0.0
8/24/2016	On	74,457	3102.4	0.0	On	76,459	3185.8	0.0	On	74,334	3097.3	0.0	On	75,606	3150.2	0.0
9/19/2016	On	75,085	3128.6	0.0	On	77,088	3212.0	0.0	On	74,963	3123.5	0.0	On	76,234	3176.4	0.0
10/28/2016	On	76,018	3167.4	0.0	On	78,021	3250.9	0.0	On	75,895	3162.3	0.0	On	77,167	3215.3	0.0
11/25/2016	On	76,762	3198.4	0.0	On	78,765	3281.9	0.0	On	76,640	3193.3	0.0	On	77,911	3246.3	0.0
12/23/2016	On	77,362	3223.4	0.0	On	79,366	3306.9	0.0	On	77,241	3218.4	0.0	On	78,512	3271.3	0.0

Notes:

[1] Estimated Runtime (days) = Runtime (hours)/24

[2] Estimated Downtime = # Calendar Days - Runtime (days)

*Total Zone 3 runtime calculated by adding reading at new meter to final reading pulled from broken meter (7415.4).

TABLE 2
VAPOR MITIGATION SYSTEM VACUUM AND FLOW RATE READINGS
QUEENS WEST DEVELOPMENT - PARCEL 9

	Zone 1			Zone 2			Zone 3				Zone 4			
	Vacuum at Filter		Flow	Vacuum at Filter		Flow	Vacuum at Filter		Flow		Vacuum at Filter		Flow	
Date	Pre ("H_2O)	Post ("H_2O)	(CFM)	Pre ("H_2O)	Post ("H_2O)	(CFM)	Pre ("H_2O)	Post ("H_2O)	Riser (CFM)	Total(CFM)	Pre ("H_2O)	Post ("H_2O)	Riser (CFM)	Total(CFM)
1/23/2016	7.5	7.5	325	9.5	9.5	371	11.0	11.0	569	332	5.5	5.0	599	305
2/18/2016	7.5	7.5	325	9.5	9.5	364	11.5	12.0	239	299	5.5	5.5	594	306
3/18/2016	7.5	7.5	325	9.5	9.5	369	12.0	12.5	389	260	5.5	5.5	588	305
4/14/2016	7.5	7.5	324	9.5	9.5	378	13.0	13.0	211	249	5.5	6.0	583	304
5/31/2016	7.5	7.5	318	9.5	9.5	365	13.0	13.0	191	247	5.5	5.5	579	304
6/23/2016	7.0	7.0	333	9.0	9.0	359	13.5	14.0	219	207	5.5	5.5	588	304
7/26/2016	7.5	7.5	320	10.0	10.0	350	14.0	14.0	196	249	5.0	5.5	305	580
8/24/2016	7.5	7.5	320	10.0	10.0	350	13.5	14.0	279	204	5.5	5.0	564	304
9/19/2016	7.5	7.5	321	10.0	10.0	350	13.5	14.0	349	211	5.0	5.5	571	304
10/28/2016	7.5	7.5	321	10.0	10.0	333	12.5	13.0	549	267	5.5	6.0	576	305
11/25/2016	7.5	7.5	324	10.0	10.0	343	12.0	12.5	599	280	5.5	5.0	593	307
12/23/2016	7.5	7.5	325	10.0	10.0	345	12.0	12.5	619	283	5.5	6.0	596	306

Notes:
Pre - Reading taken before air filter.
Post - Reading taken after air filter.
Riser - Flow reading taken before dilution valve.
Total - flow reading taken after dilution valve.

APPENDICES

Appendix A - Site Cover Inspection Log and Photographs

SITE CAP INSPECTION FORM
QUEENS WEST PARCEL 9
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector: Denise Cosenza

Date: 12-23-2016

1. Courtyard/landscaped areas:

Adequate top soil cover present?

Yes

Signs of erosion?

NO

Recommended corrective action:

NONE

2. Outdoor paving/sidewalks:

Note any signs of cracking or other damage:

NONE

Note any areas where greater than 25% of surface is cracked/damaged:

NONE

Recommended corrective action:

NONE

3. Lower level garage slab:

Note any signs of cracking or other damage:

ATC observed minimal hairline surficial cracking in the lower garage slab. ATC did not observe significant visible cracking

Note any areas where greater than 25% of surface is cracked/damaged:

NONE

Recommended corrective action:

NONE

Comments (attach photos/sketches to illustrate any damage noted):

See attached photographs



Photo 1: View of typical landscaping and paving in courtyard.



Photo 2: View of typical landscaping in courtyard



Photo 3: View of paving along Center Blvd. looking north @ Center Blvd & 48th Ave. intersection.



Photo 4: View of typical landscaping and paving along 5th Street looking north @ 48th Ave & 5th St. intersection.



Photo 5: View of typical landscaping and paving along 47th Rd. looking west @ 47t Rd. & 5th St. intersection.



Photo 6: View of typical landscaping and paving along 48th Ave. looking west @ entrance.



Photo 7: View of Zone 3 Equipment.



Photo 8: View of typical condition of concrete slab in parking garage at parking space 125.



Photo 9: View of Zone 4 Equipment.



Photo 10: View of Zone 2 Equipment.



Photo 11: View of Zone 1 Equipment.

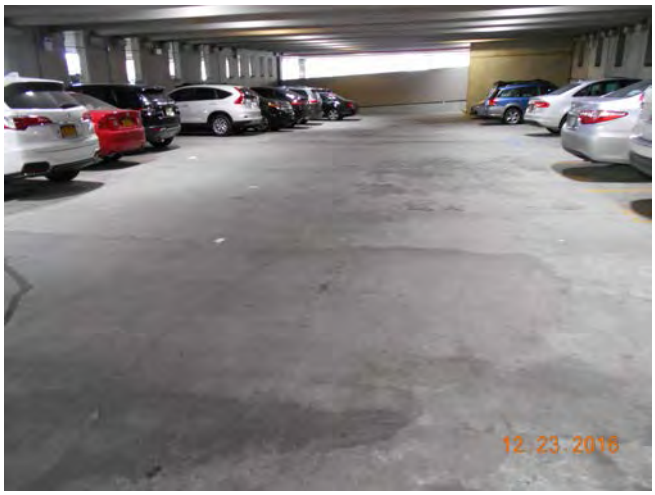


Photo 12: General view of parking area at grade.

Appendix B - Vapor Mitigation System Inspection Logs

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise Cosenza	Date: January 25, 2016
Time IN: 300	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	69375.2	325	
Zone 2	71377.7	371	
Zone 3	61837.0	TOTAL 332	WELL 569
Zone 4	70523.7	305	599

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	9.5	9.5	0	NO			
Zone 3	11	11	0	NO			
Zone 4	5.5	5.0	0	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise Cosenza	Date: 2·18·16
Time IN: 900	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)
Zone 1	69946.6	325
Zone 2	71949.1	364
Zone 3	62402.9	TOTAL 299 / WELL 239
Zone 4	71094.0	306 / 594

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	(after filter change) Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	9.5	9.5	0	NO			
Zone 3	11.5	12.0	0.5	NO			
Zone 4	5.5	5.5	0	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise COSENZA	Date: 3/18/16
Time IN: 1439	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	70627.1	325	
Zone 2	72647.5	369	
Zone 3	63107.2	Probe 260	well 389
Zone 4	71794.0	305	588

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	—	NO			
Zone 2	9.5	9.5	—	NO			
Zone 3	12	12.5	0.5	NO			
Zone 4	5.5	5.5	0	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Denise Cosenza	Date:	4.14.16
Time IN:	12:00	Time OUT:	

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	77292.0	324	
Zone 2	73294.5	378	
Zone 3	63752.5	total 249	well 211
Zone 4	72440.5	304	533

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Outlet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	No			
Zone 2	9.5	9.5	0	No			
Zone 3	13	13	0	No			
Zone 4	5.5	6.0	0.5	No			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise Cosenza	Date: 5/31/16
Time IN: 14:00	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	72439	318	
Zone 2	744262	365	
Zone 3	648850.1	Total 247	Well 191
Zone 4	735721.7	304	579

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	9.5	9.5	0	NO			
Zone 3	13.0	13.0	0	NO			
Zone 4	5.5	5.5	0	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Denise Cosera	Date:	6.23.2016
Time IN:	1:10	Time OUT:	

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	72971.8	333	
Zone 2	74974.2	359	
Zone 3	65433.9	total 207	well 219
Zone 4	74120.2	304	585

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	(after filter change) Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.0	7.0	0	No			
Zone 2	9.0	9.0	0	No			
Zone 3	13.5	14.0	0.5	No			
Zone 4	5.5	5.5	0	No			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise Cosenza	Date: 7/26/16
Time IN: 10	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	73622	320	
Zone 2	75764.8	350	
Zone 3	66224.0	WELL 249	TOTAL 196
Zone 4	74910.9	580	305

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

Location	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	No			
Zone 2	10.0	10.0	0	No			
Zone 3	14.0	14.0	0	No			
Zone 4	5.0	5.5	0.5	No			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Denise Cosenza	Date:	8.24.2016
Time IN:	8:10	Time OUT:	

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one) yes

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)
Zone 1	74457.0	320
Zone 2	76459.4	350
Zone 3	66918.9	TOTAL 204 / WELL 279
Zone 4	75605.8	304 / 564

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	10	10	0	NO			
Zone 3	13.5	14.0	0.5	NO			
Zone 4	5.5	5.0	0	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Date: 9-19-2016
Time IN:	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	75085.4	32.1	
Zone 2	77087.9	5.50	
Zone 3	67547.2	tot 214	WELL 349
Zone 4	76433.9	304	571

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	10	10	0	NO			
Zone 3	13.5	14.0	0.5	NO			
Zone 4	5.0	5.5	0.5	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name: Denise Cesena	Date: 10-28-16
Time IN: 10:30	Time OUT:

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)
Zone 1	76017.7	321
Zone 2	78020.6	333
Zone 3	6847.9	TOTAL 267 / WELL 549
Zone 4	7716.7	305 / 576

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	10	10	0	NO			
Zone 3	12.5	13.0	0.5	NO			
Zone 4	5.5	6.0	0.5	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Denise Cosenza	Date:	11.28.16
Time IN:	8:45	Time OUT:	

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)	
Zone 1	76,761.7	324	
Zone 2	78,765.2	343	
Zone 3	69,224.2	TOTAL 280	WELL 599
Zone 4	77,911.3	307	593

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) (after filter change)

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	No			
Zone 2	10	10	0	No			
Zone 3	12.0	12.5	0.5	No			
Zone 4	5.5	5.0	0.5	No			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

PERIODIC INSPECTION FORM
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector Name:	Denise Cosenza	**Date:**	12-23-16
Time IN:	09:30	**Time OUT:**	

GENERAL

Are there any leaks in system? yes or no (circle one)

If yes, plans for repair:

Are daily system checks being completed? yes or no (circle one)

If no, corrective actions taken:

FLOW RATES

Location	Run Time (hours)	Flow Rate (cfm)
Zone 1	77362.2	325
Zone 2	79365.8	345
Zone 3	69825.1	Well 619 / Other 283
Zone 4	78511.5	596 / 306

Comments:

Notes:
1. Blower flow rates should be ~250 cfm

VACUUM READINGS (at particulate filter) **(after filter change)**

	Inlet "H_2O	Oulet "H_2O	Differential "H_2O	Filter Changed?	Inlet "H_2O	Oulet "H_2O	Differential "H_2O
Zone 1	7.5	7.5	0	NO			
Zone 2	10.	10	0	NO			
Zone 3	12.0	12.5	0.5	NO			
Zone 4	5.5	6.0	0.5	NO			

Comments:

Notes:
1. If differential (inlet-outlet pressure) > 3 "H_2O above normal conditions, change out filter.

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Pre	Post
Joshua	03-16-16	☑ ON ☐ OFF	70627.1	325	7.5	7.5
Denise Cosenza	03.18.16	☑ ON ☐ OFF	70645.3	322	7.5	7.5
Joshua	3.20.16	☑ ON ☐ OFF	70721.0	322	7.5	7.5
Guido T	3/25/16	☑ ON ☐ OFF	70791.4	324	7.5	7.5
Denise Cosenza	4/5/16	☑ ON ☐ OFF	71074.4	323	7.5	7.5
Denise Cosenza	4/14/16	☑ ON ☐ OFF	77292.0	324	7.5	7.5
	.	☐ ON ☐ OFF				
	.	☐ ON ☐ OFF				
	.	☐ ON ☐ OFF				
Tobias Cartagena	6/3-16	☑ ON ☐ OFF	72496.1	321	7.5	7.5
Joshua	6/6/16	☑ ON ☐ OFF	72571.7	324	7.5	7.5
Joshua	6/8/16	☑ ON ☐ OFF	72612	321	7.5	7.5
Joshua	6/9/16	☑ ON ☐ OFF	72642.3	330	7.5	7.5
Joshua	6/10/16	☑ ON ☐ OFF	72666.9	328	7.5	7.5
Guido T	6/11/16	☑ ON ☐ OFF	72685.0	329	7.5	7.5
Joshua	6/13/16	☑ ON ☐ OFF	72736.9	328	7.5	7.5
Joshua	6/14/16	☑ ON ☐ OFF	72762.4	333	7.5	7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM	Observations Filter Pre	Post
Joshua	06-15-16	☑ ON ☐ OFF	72784.4	333	7.5	7.5
Joshua	6-16-15	☑ ON ☐ OFF	728149	334	7.5	7.5
Joshua	6-17-15	☑ ON ☐ OFF	728344	335	7.5	7.5
Guido	6/18/16	☑ ON ☐ OFF	72853.1	332	7.5	7.5
Joshua	6/20/16	☑ ON ☐ OFF	729062	335	7.5	7.5
Joshua	6/21/16	☑ ON ☐ OFF	729310	335	7.5	7.5
Joshua	**6/22/16**	☑ ON ☐ OFF	**72955.1**	**334**	**7.5**	**7.5**
Joshua	6/23/16	☑ ON ☐ OFF	72975.6	335	7.5	7.5
Joshua	6/24/16	☑ ON ☐ OFF	73002.2	334	7.5	7.5
Guido	6/25/16	☑ ON ☐ OFF	73016.7	335	7.5	7.5
Joshua	6/27/16	☑ ON ☐ OFF	73071.4	335	7.5	7.5
Joshua	6/28/16	☑ ON ☐ OFF	73098.1	321	7.5	7.5
Joshua	6/29/16	☑ ON ☐ OFF	73121.0	319	7.5	7.5
Joshua	6/30/16	☐ ON ☐ OFF	73146.3	319	7.5	7.5
Joshua	07-01-16	☑ ON ☐ OFF	73171.6	319	7.5	7.5
GT	7/02/16	☑ ON ☐ OFF	73184.4	319	7.5	7.5
Joshua	7/05/16	☑ ON ☐ OFF	73266.3	318	7.5	7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM	Observations Pre Filter	Post
Joshua	06-06-16	☑ ON ☐ OFF	73291.3	319	7.5	7.5
Joshua	07-07-16	☑ ON ☐ OFF	73314.1	320	7.5	7.5
Joshua	07-08-16	☑ ON ☐ OFF	73339.3	320	7.5	7.5
Joshua	07-11-16	☑ ON ☐ OFF	73410.8	320	7.5	7.5
Joshua	07-12-16	☑ ON ☐ OFF	73434.8	321	7.5	7.5
Joshua	7-13-16	☑ ON ☐ OFF	73457.9	320	7.5	7.5
Joshua	7-15-16	☑ ON ☐ OFF	73509.7	319	7.5	7.5
IT	7/16/16	☑ ON ☐ OFF	73520.9	320	7.5	7.5
Joshua	7/18/16	☑ ON ☐ OFF	73581.0	319	7.5	7.5
Joshua	7/19/16	☑ ON ☐ OFF	73603.3	320	7.5	7.5
James	7/20/16	☑ ON ☐ OFF	73624.4	321	7.5	7.5
Joshua	7-21-16	☑ ON ☐ OFF	73651.0	320	7.5	7.5
Joshua	7-25-16	☑ ON ☐ OFF	73748.5	321	7.5	7.5
Denise Cosgrove	7.26.16	☑ ON ☐ OFF	73762.2	320	7.5	7.5
James	7/26/16	☑ ON ☐ OFF	73766.8	320	7.5	7.5
James	7-27-16	☑ ON ☐ OFF	73811.5	319	7.5	7.5
James	7-28-16	☑ ON ☐ OFF	73816.6	321	7.5	7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM	Observations	Filters	
James	7-29-16	☒ ON ☐ OFF	73839.8	320		7.5	7.5
James	7-30-16	☒ ON ☐ OFF	73864.0	320		7.5	7.5
Joshua	08-01-16	☑ ON ☐ OFF	73915.2	320		7.5	7.5
James	8-2-16	☒ ON ☐ OFF	73940.4	321		7.5	7.5
James	8-3-16	☒ ON ☐ OFF	73963.1	321		7.5	7.5
James	8-4-16	☒ ON ☐ OFF	73984.5	320		7.5	7.5
James	8-5-16	☒ ON ☐ OFF	74025.2	320		7.5	7.5
James	8-6-16	☒ ON ☐ OFF	74036.2	320		7.5	7.5
Joshua	8-8-16	☑ ON ☐ OFF	74083.8	320		7.5	7.5
James	8-9-16	☒ ON ☐ OFF	74701.4	320		7.5	7.5
James	8-10-16	☒ ON ☐ OFF	74135.0	321		7.5	7.5
James	8-11-16	☒ ON ☐ OFF	74155.6	321		7.5	7.5
James	8-12-16	☒ ON ☐ OFF	74180.4	320		7.5	7.5
Joshua	8-15-16	☑ ON ☐ OFF	74249.5	320		7.5	7.5
James	8-16-16	☒ ON ☐ OFF	74276.7	320		7.5	7.5
James	8-17-16	☒ ON ☐ OFF	74297.0	321		7.5	7.5
Joshua	8-18-16	☑ ON ☐ OFF	74323.6	321		7.5	7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM	Observations	Filters
James	8-19-16	☒ ON ☐ OFF	74345.0	320		7.5 7.5
James	8-20-16	☒ ON ☐ OFF	74369.7	319		7.5 7.5
Joshua	8-22-16	☒ ON ☐ OFF	74415.0	319		7.5 7.5
James	8-23-16	☒ ON ☐ OFF	74439.2	329		7.5 7.5
James	8-26-16	☒ ON ☐ OFF	74515.2	320		7.5 7.5
James	8-27-16	☒ ON ☐ OFF	74540.3	322		7.5 7.5
James	8-30-16	☒ ON ☐ OFF	74591.4	320		7.5 7.5
James	8-31-16	☒ ON ☐ OFF	74637.6	321		7.5 7.5
James	9-1-16	☒ ON ☐ OFF	74660.4	321		7.5 7.5
James	9-2-16	☒ ON ☐ OFF	74687.0	321		7.5 7.5
Joshua	09-03-16	☒ ON ☐ OFF	74709.2	321		7.5 7.5
James	9-9-16	☒ ON ☐ OFF	74849.8	321		7.5 7.5
James	9-10-16	☒ ON ☐ OFF	74877.0	321		7.5 7.5
Joshua	9-12-16	☒ ON ☐ OFF	74926.4	322		7.5 7.5
James	9-13-16	☒ ON ☐ OFF	74949.7	320		7.5 7.5
James	9-14-16	☒ ON ☐ OFF	74970.1	320		7.5 7.5
James	9-15-16	☒ ON ☐ OFF	74995.6	322		7.5 7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

C.F.M

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Filters Pre / Post
James	9-17-16	☒ ON ☐ OFF	75036.9	321	7.5 7.5
Joshua	9-19-16	☒ ON ☐ OFF	75092.3	320	7.5 7.5
James	9-21-16	☒ ON ☐ OFF	75140.4	320	7.5 7.5
James	9-22-16	☒ ON ☐ OFF	75164.4	322	7.5 7.5
James	9-23-16	☒ ON ☐ OFF	75185.3	320	7.5 7.5
James	9-24-16	☒ ON ☐ OFF	75211.5	320	7.5 7.5
James	9-27-16	☒ ON ☐ OFF	75309.5	322	7.5 ~~9.5~~
James	9-28-16	☒ ON ☐ OFF	75357.8	323	7.5 7.5
James	10-1-16	☒ ON ☐ OFF	75379.9	323	7.5 7.5
Joshua	10-3-16	☒ ON ☐ OFF	75425.9	321	7.5 7.5
James	10-4-16	☒ ON ☐ OFF	75450.5	321	7.5 7.5
James	10-5-16	☒ ON ☐ OFF	75477.2	322	7.5 7.5
James	10-6-16	☒ ON ☐ OFF	75500.0	322	7.5 7.5
James	10-7-16	☒ ON ☐ OFF	75523.0	322	7.5 7.5
James	10-8-16	☒ ON ☐ OFF	75548.4	321	7.5 7.5
James	10-11-16	☒ ON ☐ OFF	75619.4	323	7.5 7.5
James	10-12-16	☒ ON ☐ OFF	75645.3	322	7.5 7.5

ROUTINE SYSTEM CHECK
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK
ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

C.F.M.A

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Filters Pre / Post
James	10-13-16	☒ ON ☐ OFF	75669.5	323	7.5 7.5
James	10-14-16	☒ ON ☐ OFF	75690.3	323	7.5 7.5
Joshua	10-20-16	☑ ON ☐ OFF	75830.6	322	7.5 7.5
Joshua	10-21-16	☑ ON ☐ OFF	75857.1	321	7.5 7.5
Joshua	10-24-16	☑ ON ☐ OFF	75932.2	324	7.5 7.5
James	10-25-16	☒ ON ☐ OFF	75954.7	324	7.5 7.5
James	10-26-16	☒ ON ☐ OFF	75980.0	326	7.5 7.5
James	10-27-16	☒ ON ☐ OFF	76001.0	326	7.5 7.5
James	10-28-16	☐ ON ☐ OFF	76028.2	322	7.5 7.5
James	10-29-16	☒ ON ☐ OFF	76053.7	322	7.5 7.5
Joshua	10-31-16	☑ ON ☐ OFF	76100.4	321	7.5 7.5
James	11-1-16	☒ ON ☐ OFF	76123.6	322	7.5 7.5
James	11-3-16	☒ ON ☐ OFF	76172.0	321	7.5 7.5
James	11-5-16	☒ ON ☐ OFF	76218.6	327	7.5 7.5
Joshua	11-7-16	☑ ON ☐ OFF	76268.6	324	7.5 7.5
James	11-8-16	☒ ON ☐ OFF	76290.8	324	7.5 7.5
James	11-9-16	☒ ON ☐ OFF	76313.7	323	7.5 7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: (1) 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

CFM

filters

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Pre / Post
James	11-10-16	☒ ON ☐ OFF	76339.7	323	7.5 - 7.5
James	11-15-16	☒ ON ☐ OFF	76460.2	322	7.5 - 7.5
James	11-16-16	☒ ON ☐ OFF	76485.6	321	7.5 - 7.5
James	11-17-16	☒ ON ☐ OFF	76506.2	323	7.5 - 7.5
James	11-18-16	☒ ON ☐ OFF	76548.4	321	7.5 - 7.5
James	11-19-16	☒ ON ☐ OFF	76555.4	324	7.5 - 7.5
James	11-22-16	☒ ON ☐ OFF	76630.2	322	7.5 7.5
Denise Cosma	11-28-16	☒ ON ☐ OFF	76761.7	324	7.5 7.5
Joshua	11-30-16	☒ ON ☐ OFF	76792.1	322	7.5 7.5
James	12-12-16	☒ ON ☐ OFF	77106.4	327	7.5 7.5
James	12-15-16	☒ ON ☐ OFF	77181.9	329	7.5 7.5
James	12-16-16	☒ ON ☐ OFF	77202.7	322	7.5 7.5
James	12-20-16	☒ ON ☐ OFF	77302.9	327	7.5 7.5
Denise Cosma	12-23-16	☒ ON ☐ OFF	77362.2	325	7.5 7.5
Joshua	12-28-16	☒ ON ☐ OFF	77487.2	322	7.5 7.5
James	12-29-16	☒ ON ☐ OFF	77513.7	322	7.5 7.5
James	1/4/17	☒ ON ☐ OFF	77660.4	325	7.5 - 7.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Filter Pre	Filter Post
Amit	1.14.16	☑ ON ☐ OFF	71115.6	326	9.5	9.5
Amit	1.15.16	☑ ON ☐ OFF	71140.8	370	9.5	9.5
Denise Cosma	1.25.16	☑ ON ☐ OFF	71377.7	371	9.5	9.5
Amika	1.27.16	☑ ON ☐ OFF	71402.4	372	9.5	9.5
Amita	1.29.16	☑ ON ☐ OFF	71429.8	327	9.5	9.5
Amita	2.1.16	☑ ON ☐ OFF	71552.4	367	9.5	9.5
Amita	2.2.16	☑ ON ☐ OFF	71574.8	369	9.5	9.5
Amit	2.4.16	☑ ON ☐ OFF	71620.4	374	9.5	9.5
Denise Cosma	2.18.16	☐ ON ☐ OFF	71949.1	364	9.5	9.5
Amita	2.19.16	☑ ON ☐ OFF	71976.6	373	9.5	9.5
Amita	2.22.16	☑ ON ☐ OFF	72050.7	369	9.5	9.5
Joshua	3.07.16	☑ ON ☐ OFF	72389.4	373	9.5	9.5
Joshua	3.16.16	☑ ON ☐ OFF	72460.0	373	9.5	9.5
Joshua	3.13.16	☑ ON ☐ OFF	72532.4	372	9.5	9.5
Joshua	3.16.16	☑ ON ☐ OFF	72608.8	376	9.5	9.5
Joshua	3.17.16	☑ ON ☐ OFF	72628.9	377	9.5	9.5
		☐ ON ☐ OFF				

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	PREFILTER Observations	POST Observations	FLOW RATE
Denise Cosenza	3/8/16	☑ ON ☐ OFF	72647.5	9.5	9.5	369
Joshua	3.20.16	☑ ON ☐ OFF	72723.5	9.5	9.5	383
Guido T	3/25/16	☑ ON ☐ OFF	72794.2	9.5	9.5	382
Denise Cosenza	4/5/16	☑ ON ☐ OFF	73077.9	9.5	9.5	368
Denise Cosenza	4/14/16	☑ ON ☐ OFF	73294.5	9.5	9.5	378
Denise Cosenza	5/31/16	☑ ON ☐ OFF	74426.2	9.5	9.5	365
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
Joshua	6/03/06	☑ ON ☐ OFF	74498.6	9.5	9.5	367
Joshua	6/06/06	☑ ON ☐ OFF	74574.1	9.5	9.5	368
Joshua	6/07/16	☑ ON ☐ OFF	745970	9.5	9.5	360
Joshua	**6/8/16**	☑ ON ☐ OFF	**74621.6**	**9.5**	**9.5**	**359**
Joshua	6/9/16	☑ ON ☐ OFF	746446	9.5	9.5	378
Joshua	6/10/16	☑ ON ☐ OFF	74669.2	9.5	9.5	375
Guido T	6/11/16	☑ ON ☐ OFF	74687.6	9.5	9.5	367
Joshua	6/13/16	☑ ON ☐ OFF	74739.4	9.5	9.5	366

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	~~Pre~~ / ~~Post~~ CEM ~~Filter~~ Observations	Filter Pre / Post
Joshua	6/14/16	☑ ON ☐ OFF	74764.7	356	9.5 / 9.5
Joshua	6/15/16	☑ ON ☐ OFF	74786.7	365	9.5 / 9.5
Joshua	6/16/16	☑ ON ☐ OFF	74817.6	362	9.5 / 9.5
Joshua	6/17/16	☑ ON ☐ OFF	74836.3	354	9.5 / 9.5
Guido	6/18/16	☑ ON ☐ OFF	74855.7	364	9.5 / 9.5
Joshua	6/20/16	☑ ON ☐ OFF	749025	358	9.5 / 9.5
Joshua	6/21/16	☑ ON ☐ OFF	74933.6	361	9.5 / 9.5
Joshua	6/22/16	☑ ON ☐ OFF	74957.6	361	9.5 / 9.5
Joshua	6/23/16	☑ ON ☐ OFF	74978.6	359	9.5 / 9.5
Joshua	6/24/16	☑ ON ☐ OFF	75004.7	359	9.5 / 9.5
GT	6/25/16	☑ ON ☐ OFF	75019.2	360	9.5 / 9.5
Joshua	6/27/16	☑ ON ☐ OFF	75073.8	363	9.5 / 9.5
Joshua	6/28/16	☑ ON ☐ OFF	75100.4	356	9.5 / 9.5
Joshua	6/29/16	☑ ON ☐ OFF	75123.5	347	9.5 / 9.5
Joshua	6/30/16	☑ ON ☐ OFF	75148.5	350	9.5 / 9.5
Joshua	07-01-16	☑ ON ☐ OFF	75173.9	345	9.5 / 9.5
GT	7/02/16	☑ ON ☐ OFF	75187.5	350	9.5 / 9.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
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4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFm Observations	Filter Pre	Filter Post
Joshua	07-05-16	☑ ON ☐ OFF	75268.7	339	9.5	9.5
Joshua	07-06-16	☑ ON ☐ OFF	75293.5	335	9.5	9.5
Joshua	07-07-16	☑ ON ☐ OFF	75316.6	345	9.5	9.5
Joshua	07-08-16	☑ ON ☐ OFF	75341.6	341	9.5	9.5
Joshua	07-11-16	☑ ON ☐ OFF	75413.1	356	9.5	9.5
Joshua	07-12-16	☑ ON ☐ OFF	75437.1	345	9.5	9.5
Joshua	07-13-16	☑ ON ☐ OFF	75460.2	349	9.5	9.5
Joshua	07-15-16	☑ ON ☐ OFF	75511.7	348	9.5	9.5
GT	7/16/16	☑ ON ☐ OFF	75523.9	345	9.5	9.5
Joshua	07-18-16	☑ ON ☐ OFF	75583.2	346	9.5	9.5
Joshua	07-19-16	☐ ON ☐ OFF	75665.9	350	9.5	9.5
James	7-20-16	☑ ON ☐ OFF	75626.8	355	9.5	9.5
Joshua	7-21-16	☑ ON ☐ OFF	75653.3	350	9.5	9.5
Joshua	7-22-16	☑ ON ☐ OFF	75676.6	354	9.5	9.5
GT	7/23/16	☑ ON ☐ OFF	75691.3	339	9.5	9.5
Joshua	7/25/16	☑ ON ☐ OFF	75750.9	339	9.5	9.5
Denise Cosenza	7/26/16	☑ ON ☐ OFF	75764.8	350	10.0	10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

CFM

Pre/Post Filters

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations		
James	7/26/16	☒ ON ☐ OFF	75769.4	319	10.0	10.0
James	7/27/16	☒ ON ☐ OFF	75794.8	352	10.0	10.0
James	7/28/16	☒ ON ☐ OFF	75819.2	351	10.0	10.0
James	7/29/16	☒ ON ☐ OFF	75842.4	349	10.0	10.0
James	7-30-16	☒ ON ☐ OFF	75869.7	351	10.0	10.0
Joshua	08-1-16	☒ ON ☐ OFF	75917.8	347	9.5	9.5
James	8-2-16	☒ ON ☐ OFF	75943.0	352	10.0	10.0
James	8-3-16	☒ ON ☐ OFF	75965.4	350	10.0	10.0
James	8-4-16	☒ ON ☐ OFF	75987.2	360	10.0	10.0
James	8-5-16	☒ ON ☐ OFF	76012.6	352	10.0	10.0
James	8-6-16	☒ ON ☐ OFF	76037.1	356	10.0	10.0
Joshua	8-8-16	☒ ON ☐ OFF	76086.2	355	9.5	9.5
James	8.9.16	☒ ON ☐ OFF	76108.1	348	10.0	10.0
James	8-10-16	☒ ON ☐ OFF	76131.7	348	10.0	10.0
James	8-11-16	☒ ON ☐ OFF	76157.7	354	10.0	10.0
James	8-12-16	☒ ON ☐ OFF	76182.7	344	10.0	10.0
James	8-13-16	☒ ON ☐ OFF	76202.4	356	10.0	10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

CFM

filters

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Pre	Post
Joshua	08-15-16	☑ ON ☐ OFF	76257.3	343	10	10
James	8-16-16	☑ ON ☐ OFF	76274.2	350	10.0	10.0
James	8-17-16	☑ ON ☐ OFF	76299.6	358	10.0	10.0
Joshua	8-18-16	☑ ON ☐ OFF	76325.4	353	10.0	10.0
James	8-19-16	☑ ON ☐ OFF	76347.4	351	10.0	10.0
James	8-20-16	☑ ON ☐ OFF	76369.7	355	10.0	10.0
Joshua	8-22-16	☑ ON ☐ OFF	76417.4	342	10.0	10.0
James	8-23-16	☑ ON ☐ OFF	76441.3	340	10.0	10.0
James	8-24-16	☑ ON ☐ OFF	76467.7	344	10.0	10.0
James	8-26-16	☑ ON ☐ OFF	76517.7	362	10.0	10.0
James	8-27-16	☑ ON ☐ OFF	76539.1	348	10.0	10.0
James	8-30-16	☑ ON ☐ OFF	76614.3	354	10.0	10.0
James	8-31-16	☑ ON ☐ OFF	76640.1	353	10.0	10.0
James	9-1-16	☑ ON ☐ OFF	76662.9	351	10.0	10.0
James	9-2-16	☐ ON ☑ OFF	76688.2	347	10.0	10.0
Joshua	09-03-16	☑ ON ☐ OFF	76731.7	351	10.0	10.0
James	09-6-16	☑ ON ☐ OFF	76621.1	349	10.	10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

CFM Filters Pre / Post

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations		
James	9-7-16	☒ ON ☐ OFF	76804.5	352	10.0	10.0
James	9-9-16	☒ ON ☐ OFF	76853.5	352	10.0	10.0
James	9-10-16	☒ ON ☐ OFF	76879.5	351	10.0	10.0
Joshua	9-12-16	☒ ON ☐ OFF	76928.8	348	10.0	10.0
James	9-13-16	☒ ON ☐ OFF	76949.2	353	10.0	10.0
James	9-14-16	☒ ON ☐ OFF	76972.3	346	10.0	10.0
James	9-15-16	☒ ON ☐ OFF	76997.3	353	10.0	10.0
James	9-16-16	☒ ON ☐ OFF	77021.2	352	10.0	10.0
James	9-17-16	☒ ON ☐ OFF	77043.9	348	10.0	10.0
Joshua	9-19-16	☒ ON ☐ OFF	77094.7	345	10.0	10.0
James	9-21-16	☒ ON ☐ OFF	77141.4	345	10.0	10.0
James	9-22-16	☒ ON ☐ OFF	77166.9	354	10.0	10.0
James	9-23-16	☒ ON ☐ OFF	77187.1	353	10.0	10.0
James	9-24-16	☒ ON ☐ OFF	77214.4	351	10.0	10.0
James	9-27-16	☒ ON ☐ OFF	77286.8	352	10.0	10.0
James	9-28-16	☒ ON ☐ OFF	77312.4	346	10.0	10.0
James	9-29-16	☒ ON ☐ OFF	77334.5	345	10.0	10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
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4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	C.F.M	Observations	Filters, Pre / Post
James	9-3-16	☒ ON ☐ OFF	77355.4	329		10.0 10.0
James	10-1-16	☒ ON ☐ OFF	77382.9	339		10.0 10.0
Joshua	10-3-16	☑ ON ☐ OFF	77428.7	340		10.0 10.0
James	10-4-16	☒ ON ☐ OFF	77501.6	339		10.0 10.0
James	10-5-16	☒ ON ☐ OFF	77552.1	328		10.5 10.0
James	10-6-16	☒ ON ☐ OFF	77604.0	342		10.0 10.0
James	10-7-16	☒ ON ☐ OFF	77526.1	343		10.0 10.0
James	10-8-16	☒ ON ☐ OFF	77557.6	335		10.0 10.0
James	10-11-16	☒ ON ☐ OFF	77624.2	358		10.0 10.0
James	10-12-16	☒ ON ☐ OFF	77646.5	352		10.0 10.0
James	10-13-16	☒ ON ☐ OFF	77670.2	342		10.0 10.0
James	10-14-16	☒ ON ☐ OFF	77693.2	343		10.0 10.0
Joshua	10-20-2016	☑ ON ☐ OFF	77833.7	339		10.0 10.0
Joshua	10-21-16	☑ ON ☐ OFF	77859.9	338		10.0 10.0
Joshua	10-24-16	☑ ON ☐ OFF	77935.0	350		10.0 10.0
James	10-25-16	☒ ON ☐ OFF	77957.7	354		10.0 10.0
James	10-26-16	☒ ON ☐ OFF	77983.2	347		10.0 10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
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4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
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CFM

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Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations	Pre / Post
James	10-27-16	☒ ON ☐ OFF	78007.8	334	10.0 - 10.0
James	10-28-16	☒ ON ☐ OFF	78031.7	352	10.0 - 10.0
James	10-29-16	☒ ON ☐ OFF	78056.7	353	10.0 - 10.0
Joshua	10-31-16	☑ ON ☐ OFF	78103.1	348	10.0 10.0
James	11-1-16	☒ ON ☐ OFF	78129.6	346	10.0 - 10.0
James	11-2-16	☒ ON ☐ OFF	78147.2	348	10.0 - 10.0
James	11-3-16	☒ ON ☐ OFF	78175.6	350	10.0 - 10.0
James	11-5-16	☒ ON ☐ OFF	78222.0	345	10.0 - 10.0
Joshua	11-7-16	☑ ON ☐ OFF	78272.0	350	10.0 - 10.0
James	11-8-16	☐ ON ☐ OFF	78294.2	357	10.0 - 10.0
James	11-9-16	☒ ON ☐ OFF	7831.2	353	10.0 - 10.0
James	11-10-16	☒ ON ☐ OFF	78357.0	352	10.0 - 10.0
James	11-11-16	☒ ON ☐ OFF	78366.6	354	10.0 - 10.0
James	11-12-16	☐ ON ☐ OFF	78393.6	346	10-0 - 10.0
James	11-15-16	☒ ON ☐ OFF	78465.4	345	10.0 - 10.0
James	11-16-16	☒ ON ☐ OFF	78489.1	361	10.0 - 10.0
James	11-17-16	☒ ON ☐ OFF	78512.0	358	10.0 - 10.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 (2) 3 4 (Circle One)

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2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
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Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations (CFM)	Filters Pre / Post
James	11-18-16	~~ON~~ ☐ OFF	78535.5	357	10.0 - 10.0
James	11-19-16	~~ON~~ ☐ OFF	7855-8.5	354	10.0 - 10.0
Joshua	11-20-2016	☑ ON ☐ OFF	78605.4	355	10.0 10.0
James	11-22-16	~~ON~~ ☐ OFF	78633.5	336	10.0 10.0
Denise Correa	11-28-16	~~ON~~ ☐ OFF	78765.2	343	10.0 - 10.0
Joshua	11-29-16	☑ ON ☐ OFF	78795.6	347	10.0 10.0
James	12-6-16	~~ON~~ ☐ OFF	7876 7.8	348	10.0 - 10.0
James	12-7-16	~~ON~~ ☐ OFF	78997.9	352	10.0 - 10.0
James	12-13-16	~~ON~~ ☐ OFF	79136.4	357	10.0 - 10.0
James	12-14-16	~~ON~~ ☐ OFF	79160.3	345	10.0 - 10.0
James	12-16-16	~~ON~~ ☐ OFF	79206.3	354	10.0 - 10.0
James	12-20-16	~~ON~~ ☐ OFF	79306.7	344	10.0 - 10.0
Denise Correa	12.23-16	~~ON~~ ☐ OFF	79365.8	345	10.0 - 10.0
Joshua	12-28-16	☑ ON ☐ OFF	79490.7	348	10.0 10.0
James	12-29-16	~~ON~~ ☐ OFF	79518.2	355	10.0 - 10.0
James	1-4-17	~~ON~~ ☐ OFF	79665.3	347	10.0 - 10.0
James	1-5-17	~~ON~~ ☐ OFF	79686.5	345	90.0 - 9.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 (3) 4 (Circle One)

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1. Record Inspector Name and Date.
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Inspector Name	Date	Blower On/Off	Runtime (hours)	Cfm Well	Cfm total	Observations	Filter Pre	Filter Post
Amit	1.12.16	☑ ON ☐ OFF	61530.5	559	324		11	11
Amit	1.14.16	☑ ON ☐ OFF	61575.1	569	329		11	11
Amit	1.15.16	☑ ON ☐ OFF	61600.0	569	322		11	11
Denise Cosenza	1.25.16	☑ ON ☐ OFF	61837.0	569	332		11	11
Amit	1.27.16	☑ ON ☐ OFF	61862.0	569	332		11	11
Amit	1.29.16	☑ ON ☐ OFF	61887.4	569	332		11	11
Amit	2.1.16	☑ ON ☐ OFF	62014.0	589	395		11	11
Amit	2.2.16	☑ ON ☐ OFF	62034.0	619	308		11	11
Amit	2.4.16	☑ ON ☐ OFF	62079.0	599	324		11	11
Denise Cosenza	2.18.16	☑ ON ☐ OFF	62402.9	239	299		11.5	12
Amit	2.19.16	☑ ON ☐ OFF	62438.0	399	299		11.5	11.5
Amit	2.22.16	☑ ON ☐ OFF	62517.0	349	294		11.5	12
Jose	2-25-16	☑ ON ☐ OFF	62628.	299	285		12	12
Joshua	3-7-16	☑ ON ☐ OFF	62849	229	282		12	12
Joshua	3.10.16	☑ ON ☐ OFF	62915	229	277		12	12
Joshua	3.13.16	☑ ON ☐ OFF	6299.5	389	272		12	12
Joshua	3.16.16	☑ ON ☐ OFF	6306.	240	270		12	12

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

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Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations well	total	PID	POSI
Joshua	03-17-16	☑ ON ☐ OFF	63086	210	269	12.5	12.5
Denise Cosenza	3-18-16	☑ ON ☐ OFF	63107.2	389	260	12.0	12.5
Joshua	3-20-16	☑ ON ☐ OFF	63182.0	209	242	12"	12"
Guido T	3/25/16	☑ ON ☐ OFF	63252.0	109	240	13	13.5
Denise Cosenza	4/5/16	☐ ON ☐ OFF	63539.2	219	238	13	13
Denise Cosenza	4/14/16	☐ ON ☐ OFF	63752.5	211	249	13	13
Denise Cosenza	5/31/16	☐ ON ☐ OFF	64885.1	191	247	13.0	13.0
		☐ ON ☐ OFF					
		☐ ON ☐ OFF					
		☐ ON ☐ OFF					
Joshua	6/03/16	☑ ON ☐ OFF	64954.5	260	250	13.0	13.0
Joshua	6/06/16	☑ ON ☐ OFF	65032.1	139	199	13.0	13.0
Joshua	6/07/16	☑ ON ☐ OFF	65051.2	169	198	13.0	13.0
Joshua	6/08/16	☑ ON ☐ OFF	65079.0	149	198	13.0	13.0
Joshua	6/09/16	☑ ON ☐ OFF	65103.1	409	203	13.0	13.0
Joshua	6/10/16	☑ ON ☐ OFF	65121.1	259	205	13.0	13.0
Guido T	6/11/16	☑ ON ☐ OFF	65148.4	289	202	13.5	14

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

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CFm

Inspector Name	Date	Blower On/Off	Runtime (hours)	Well	total	Observations	Pre	Post
Joshua	06-13-16	☑ ON ☐ OFF	65198.1	[redacted]439	206		13"	13"
Joshua	06-14-16	☑ ON ☐ OFF	65224	429	207		13"	13"
Joshua	06-15-16	☑ ON ☐ OFF	65246.1	409	208		13"	13
Joshua	06-16-16	☑ ON ☐ OFF	65276.2	399	206		13	13
Joshua	06-17-16	☑ ON ☐ OFF	65296.1	219	207		13	13
Grisb	6/18/16	☑ ON ☐ OFF	65315.4	309	206		63	13
Joshua	6/20/16	☑ ON ☐ OFF	65367.6	459	207		13	13
Joshua	6/21/16	☑ ON ☐ OFF	65392.1	419	208		13	13
Joshua	**6/22/16**	☑ ON ☐ OFF	**65446.2**	**399**	**207**		**13**	**13**
Joshua	6/23/16	☑ ON ☐ OFF	65437.5	359	205		13	13
Joshua	6/24/16	☑ ON ☐ OFF	65461.2	419	207		13	13
GF	6/25/16	☑ ON ☐ OFF	65478.5	358	209		13	13
Joshua	6/27/16	☑ ON ☐ OFF	65533.2	349	207		13	13
Joshua	6/28/16	☑ ON ☐ OFF	65559.1	349	203		13	13
Joshua	6/29/16	☑ ON ☐ OFF	65587.1	419	202		13	13
Joshua	6/30/16	☑ ON ☐ OFF	65604.5	439	205		13	13
Joshua	07-01-16	☑ ON ☐ OFF	65633.1	389	201		13	13

ROUTINE SYSTEM CHECK

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48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

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CFM

Inspector Name	Date	Blower On/Off	Runtime (hours)	Well / total	Observations	Pre / Post
GT	7/02/16	☑ ON ☐ OFF	65648.1	319 198		14 14
Joshua	7/05/16	☑ ON ☐ OFF	65727.5	389 201		13.5 13.5
Joshua	7/06/16	☑ ON ☐ OFF	65752.7	419 202		13.5 13.5
Joshua	7-07-16	☑ ON ☐ OFF	65775.1	200 149		13.5 13.5
Joshua	7-08-16	☑ ON ☐ OFF	65809.9	339 201		13.5 13.5
Joshua	7-11-16	☑ ON ☐ OFF	65872.5	399 207		13.5 13.5
Joshua	7-12-16	☑ ON ☐ OFF	65896.5	419 204		13.5 13.5
Joshua	7-13-16	☑ ON ☐ OFF	65919.5	449 205		13.5 13.5
Joshua	7-14-16	☑ ON ☐ OFF	65974.0	189 203		13.5 13.5
GT	7/16/16	☑ ON ☐ OFF	65982.7	400 200		13.5 13.5
Joshua	7-18-16	☑ ON ☐ OFF	66042.7	309 205		13.5 13.5
Joshua	7-19-16	☑ ON ☐ OFF	66065.1	359 206		13.5 13.5
James	7-20-16	☑ ON ☐ OFF	66086.1	439 207		13.5 13.5
Joshua	7-21-16	☑ ON ☐ OFF	66112.1	319 207		13.5 13.5
Joshua	7-22-16	☑ ON ☐ OFF	66135.1	199 202		13.5 13.5
GT	7/23/16	☑ ON ☐ OFF	66150.2	269 198		13.5 13.5
Joshua	7/25/16	☑ ON ☐ OFF	66218.1	359 201		13.5 13.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

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Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM Well	CFM Total	Observations	Filters Pre	Filters Post
Denise Coserea	7.26.16	☐ ON ☐ OFF	66224.0	249	196		14.0	14.0
James	7-26-16	☒ ON ☐ OFF	66225.1	289	201		14.0	14.0
James	7-27-16	☒ ON ☐ OFF	66254.0	419	203		14.0	14.0
James	7-28-16	☒ ON ☐ OFF	66272.0	419	203		14.0	13.5
James	7-29-16	☒ ON ☐ OFF	66300.1	369	203		14.0	14.5
James	7-30-16	☒ ON ☐ OFF	66325.0	249	202		14.0	14.0
Joshua	08-1-16	☒ ON ☐ OFF	66377.0	319	204		14.0	14.0
James	8.2.16	☒ ON ☐ OFF	66399.2	239	204		14.0	14.0
James	8-3-16	☒ ON ☐ OFF	66424.5	309	207		14.0	14.0
James	8-4-16	☒ ON ☐ OFF	66446.4	319	204		14.0	14.0
James	8-5-16	☒ ON ☐ OFF	66477.4	429	206		13.5	14.0
James	8-6-16	☒ ON ☐ OFF	66496.2	219	202		13.5	14.0
Joshua	8.8.16	☒ ON ☐ OFF	66545.2	319	204		13.5	13.5
James	8.9.16	☒ ON ☐ OFF	66587.4	369	205		14.0	14.0
James	8-10-16	☒ ON ☐ OFF	66597.0	239	202		14.0	14.0
James	8-11-16	☒ ON ☐ OFF	66617.0	419	202		14.0	14.0
James	8-12-16	☒ ON ☐ OFF	66642.0	309	201		14.0	14.0

ROUTINE SYSTEM CHECK
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK
ZONE: 1 2 (3) 4 (Circle One)

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Filters

CFM

Pre / Post

Inspector Name	Date	Blower On/Off	Runtime (hours)	well / total	Observations	Pre	Post
James	8-13-16	☒ ON ☐ OFF	66661.7	409 / 200		14.0	14.0
Joshua	8-15-16	☑ ON ☐ OFF	66711.6	429	203	13.5	14
James	8-16-16	☒ ON ☐ OFF	66738.4	229	206	13.5	14
James	8-17-16	☒ ON ☐ OFF	66758.0	379	202	14.0	14.0
Joshua	8-18-16	☑ ON ☐ OFF	66785.1	229	202	13.5	14
James	8-19-16	☒ ON ☐ OFF	66806.4	299	203	14	14
James	8-20-16	☒ ON ☐ OFF	66831.7	399	205	14	14
Joshua	8-22-16	☑ ON ☐ OFF	66876.7	439	204	13.5	14.0
James	8-23-16	☒ ON ☐ OFF	66987.6	409	210	13.5	14.0
James	8-24-16	☒ ON ☐ OFF	66927.0	439	210	14.0	14.0
James	8-26-16	☒ ON ☐ OFF	66975.2	419	205	14.0	14.0
James	8-27-16	☒ ON ☐ OFF	66999.4	430	209	14.0	14.0
James	8-30-16	☒ ON ☐ OFF	67071.5	449	209	14.0	14.0
James	8-31-16	☒ ON ☐ OFF	67099.0	429	208	13.5	14.0
James	9-1-16	☒ ON ☐ OFF	67122.7	449	208	13.5	14.0
James	9-2-16	☒ ON ☐ OFF	67147.4	429	212	13.5	14.0
Joshua	9-2-16	☑ ON ☐ OFF	67191.7	479	214	13	14

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 (3) 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

C.F.M

filters Pre / Post

Inspector Name	Date	Blower On/Off	Runtime (hours)	Well / total	Observations	13.0	HO
James	9-6-16	☒ ON ☐ OFF	66986.8	349 / 213		[redacted]	14.0
James	9-7-16	☒ ON ☐ OFF	67264.2	409 / 213		13.5	14.0
James	9-9-16	☒ ON ☐ OFF	67312.4	449 / 213		13.5	14.0
James	9-10-16	☒ ON ☐ OFF	67338.8	459 / 213		13.5	14.0
Joshua	9-12-16	☒ ON ☐ OFF	67386.1	379 / 218		14	14.5
James	9-13-16	☒ ON ☐ OFF	67407.5	419 / 217		13.5	14.0
James	9-14-16	☒ ON ☐ OFF	67432.7	479 / 214		13.5	14.0
James	9-15-16	☒ ON ☐ OFF	67[illegible]1.2	476 / 215		13.5	14.0
James	9-16-16	☒ ON ☐ OFF	67477.2	499 / 220		13.5	14.0
Joshua	9-19-16	☒ ON ☐ OFF	67554.1	419 / 215		13	13.5
James	9-21-16	☒ ON ☐ OFF	67600.7	479 / 220		13.5	14.0
James	9-22-16	☒ ON ☐ OFF	67625.1	509 / 227		13.0	13.5
James	9-23-16	☒ ON ☐ OFF	67646.2	529 / 230		13.0	13.5
James	9-24-16	☒ ON ☐ OFF	67673.4	449 / 233		13.0	13.5
James	9-27-16	☒ ON ☐ OFF	67746.0	509 / 233		13.0	13.5
James	9-28-16	☒ ON ☐ OFF	67769.4	539 / 232		13.0	13.5
James	9-29	☒ ON ☐ OFF	67793.4	539 / 234		13.0	13.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 (3) 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	C.F.M Well / total	Observations	Filters Pre – Post
James	9-30-16	☒ ON ☐ OFF	67814.0	519 / 237		13.0 – 14.0
James	10-1-16	☒ ON ☐ OFF	67842.7	549 / 240		13.0 – 13.5
Joshua	10-3-16	☒ ON ☐ OFF	67886.1	559 / 245		12.5 – 13.0
James	10-4-16	☒ ON ☐ OFF	67912.5	579 / 248		13.0 – 13.0
James	10-5-16	☒ ON ☐ OFF	67938.7	559 / 248		13.0 – 13.5
James	10-6-16	☒ ON ☐ OFF	67963.1	579 / 246		13.0 – 13.5
James	10-7-16	☒ ON ☐ OFF	67985.4	579 / 252		13.0 – 13.0
James	10-8-16	☒ ON ☐ OFF	68010.0	479 / 251		13.0 – 13.0
James	10-11-16	☒ ON ☐ OFF	68087.4	549 / 259		13.0 – 13.0
James	10-12-16	☒ ON ☐ OFF	68105.4	529 / 258		12.5 – 13.0
James	10-13-16	☒ ON ☐ OFF	68131.5	519 / 260		12.5 – 13.0
James	10-14-16	☒ ON ☐ OFF	68152.4	529 / 259		13.0 – 13.0
Joshua	10-20-16	☒ ON ☐ OFF	68293.1	549 / 261		12.5 – 13.0
Joshua	10-21-16	☒ ON ☐ OFF	68319.5	559 / 251		12.5 – 13.0
Joshua	10-24-16	☒ ON ☐ OFF	68394.2	539 / 262		12.0 – 13.0
James	10-25-16	☒ ON ☐ OFF	68416.4	549 / 265		12.5 – 13.0
James	10-26-16	☒ ON ☐ OFF	68442.4	559 / 269		12.5 – 13.0

ROUTINE SYSTEM CHECK
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK
ZONE: 1 2 (3) 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
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4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM well / Total	Observations	Filtes Pre / Post
Denise C.	10-27-16	☒ ON ☐ OFF	68479.9	549 / 267		12.5 / 13.0
James	10-28-16	☒ ON ☐ OFF	68490.5	579 - 270		12.5 - 13.0
James	10-29-16	☒ ON ☐ OFF	68515.6	579 - 265		12.5 - 13.0
Joshua	10-31-16	☑ ON ☐ OFF	68562.7	579 267		12.5 13.0
James	11-1-16	☒ ON ☐ OFF	68584.0	589 268		12.5 13.0
James	11-2-16	☒ ON ☐ OFF	68605.2	619 268		12.5 13.0
James	11-3-16	☒ ON ☐ OFF	68634.5	609 265		12.5 - 13.0
James	11-5-16	☒ ON ☐ OFF	68687.2	619 269		12.5 - 13.0
Joshua	11-7-16	☑ ON ☐ OFF	68731.5	609 270		12.0 13.0
James	11-8-16	☒ ON ☐ OFF	68753.8	619 272		12.5 12.0
James	11-9-16	☒ ON ☐ OFF	68776.4	629 273		12.5 12.5
James	11-10-16	☒ ON ☐ OFF	Construction	Construction		Construction
James	11-11-16	☒ ON ☐ OFF	68823.0	619 - 272		12.0 - 12.5
James	11-12-16	☒ ON ☐ OFF	68852.4	589 - 275		12.0 - 13.0
James	11-15-16	☒ ON ☐ OFF	68924.7	589 - 271		12.0 - 12.5
James	11-16-16	☒ ON ☐ OFF	68946.9	589 - 275		12.0 - 13.0
James	11-17-16	☒ ON ☐ OFF	68971.4	629 - 274		12.5 - 13.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 (3) 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

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4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM Well/total	Observations	Filters Pre/Post
James	11-18-16	~~ON~~ ☐ OFF	68994.0	629-267		12.5 13.0
James	11-19-16	~~ON~~ ☐ OFF	69017.0	629-267		12.0 13.0
Joshua	11-20-16	~~ON~~ ☐ OFF	69064.5	599-274		12 - 12.5
James	11-22-16	~~ON~~ ☐ OFF	69092.1	599-277		12.0 - 12.5
Denise Cosenza	11.28-16	~~ON~~ ☐ OFF	69224.2	599-280		12.0-12.5
Joshua	11-29-16	~~ON~~ ☐ OFF	69254.2	579-268		12.0 12.5
James	12-5-16	~~ON~~ ☐ OFF	69427.0	579-273		12.5 13.0
James	12-7-16	~~ON~~ ☐ OFF	69454.8	619-272		12.5-13.0
James	12-8-16	~~ON~~ ☐ OFF	69475.4	609-275		12.5-13.0
James	12-12-16	~~ON~~ ☐ OFF	69570.8	609-277		12.5-13.0
James	12-13-16	~~ON~~ ☐ OFF	69596.4	619-279		12.5-13.0
James	12-14-16	~~ON~~ ☐ OFF	69619.5	629-281		12.5-13.0
James	12-15-16	~~ON~~ ☐ OFF	69645.5	619-282		12.5-13.0
James	12-16-16	~~ON~~ ☐ OFF	69665.4	619-283		12.5-13.0
James	12-20-16	~~ON~~ ☐ OFF	69765.0	619-280		12.5-13.0
Denise	12-23-16	~~ON~~ ☐ OFF	69825.1	619-283		12.0-12.5
Joshua	12-28-16	~~ON~~ ☐ OFF	69950.1	609 284		12.0 12.5

ROUTINE SYSTEM CHECK
PARCEL 9 VAPOR MITIGATION SYSTEM
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK
ZONE: 1 2 3 (4) (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

C7m filter

Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations: Well	Total	Pre	Post
Amit	1.12.16	☑ ON ☐ OFF	70218.3	599	305	5.5	5.5
Amit	1.14.16	☑ ON ☐ OFF	70261.8	602	306	5.5	5.5
Amit	1.15.16	☑ ON ☐ OFF	70286.7	596	305	5.5	5.5
Denise Cosenza	1.25.16	☑ ON ☐ OFF	70523.7	595	305	5.5	5.5
Ankit	1.26.16	☑ ON ☐ OFF	70553.6	601	307	5.5	5.5
Amit	1.27.16	☑ ON ☐ OFF	70583.7	591	306	5.5	5.5
Amit	2.1.16	☑ ON ☐ OFF	70698.5	590	305	5.5	5.5
Amit	2.2.16	☑ ON ☐ OFF	70722.0	593	307	5.5	5.5
Amit	2.4.16	☑ ON ☐ OFF	70766.2	594	307	5.5	5.5
D. Cosenza	2.18.16	☑ ON ☐ OFF	71094.0	594	306	5.5	5.5
Amit	2.19.16	☑ ON ☐ OFF	71124.9	594	307	5.5	5.5
Amit	2.22.16	☑ ON ☐ OFF	71200.0	596	305	5.5	5.5
Amit	2.29.16	☑ ON ☐ OFF	71364.4	594	0306	5.5	5.5
Joshua	3.9.16	☑ ON ☐ OFF	71580.6	593	0306	5.5	5.5
Joshua	3.10.16	☑ ON ☐ OFF	71605.8	590	0306	5.5	5.5
Joshua	3.13.16	☑ ON ☐ OFF	71678.5	589	0305	5.5	5.5
Joshua	3.16.16	☑ ON ☐ OFF	71755.1	~~595~~ 589	~~0305~~		

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

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Inspector Name	Date	Blower On/Off	Runtime (hours)	Observations: well	Total	Pre	Pos
Joshua	03-17-16	☑ ON ☐ OFF	71775.5	0592	0306	5.5	5.5
Denise Cosenza	3-18-16	☑ ON ☐ OFF	71794.0	588	305	5.5	5.5
Joshua	3-20-16	☑ ON ☐ OFF	71869.0	592	306	5.5	5.5
Guido T	3/25/16	☑ ON ☐ OFF	71940.3	0587	0306	5.5	5.6
Denise Cosenza	4/5/16	☑ ON ☐ OFF	72223.4	585	305	5.5	5.5
Denise Cosenza	4/14/16	☑ ON ☐ OFF	72440.5	583	304	5.5	6.0
Denise Cosenza	5/31/16	☐ ON ☐ OFF	73572.7	579	304	5.5	5.5
		☐ ON ☐ OFF					
		☐ ON ☐ OFF					
		☐ ON ☐ OFF					
Joshua	6/03/16	☑ ON ☐ OFF	73644.5	592	305	5.5	5.5
Joshua	6/6/16	☑ ON ☐ OFF	73720.2	590	306	5.5	5.5
Joshua	6/7/16	☑ ON ☐ OFF	73743.1	592	308	5.5	5.5
Joshua	**6/9/16**	☑ ON ☐ OFF	**73767.0**	**593**	**306**	**5.5**	**5.5**
Joshua	6/9/16	☑ ON ☐ OFF	73790.1	593	306	5.5	5.5
Joshua	6/10/16	☑ ON ☐ OFF	73815.4	590	306	5.5	5.5
Guido T	6/11/16	☑ ON ☐ OFF	73833.5	590	307	5.5	5.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 (4) (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
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6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM well / Total Observations	Pre-	Post
Joshua	06-13-16 [redacted]	☑ ON ☐ OFF	73885.4	582 / 307	5.5	5.5
Joshua	6-14-16	☑ ON ☐ OFF	73910.8	586 / 307	5.5	5.5
Joshua	6-15-16	☑ ON ☐ OFF	73932.1	[redacted] 586 / 306	5.5	5.5
Joshua	6-16-16	☑ ON ☐ OFF	73963.4	588 / 306	5.5	5.5
Joshua	6-17-16	☑ ON ☐ OFF	73982.6	585 / 306	5.5	5.5
Cristo	6/18/16	☑ ON ☐ OFF	74001.0	580 / 306	5.5	5.5
Joshua	6/20/16	☑ ON ☐ OFF	74054.7	585 / 305	5.5	5.5
Joshua	6/21/16	☑ ON ☐ OFF	74079.7	587 / 308	5.5	5.5
Joshua	**6/22/16**	☑ ON ☐ OFF	**74103.7**	**590 / 304**	**5.5**	**5.5**
Joshua	6/23/16	☑ ON ☐ OFF	74124.6	584 / 305	5.5	5.5
Joshua	6/24/16	☑ ON ☐ OFF	74150.9	581 / 308	5.5	5.5
GT	6/25/16	☑ ON ☐ OFF	74165.1	590 / 304	5.5	5.5
Joshua	6/27/16	☑ ON ☐ OFF	74219.5	588 / 305	5.5	5.5
Joshua	6/28/16	☑ ON ☐ OFF	74246.1	584 / 306	5.5	5.5
Joshua	6/29/16	☑ ON ☐ OFF	74269.5	586 / 306	5.5	5.5
Joshua	6/30/16	☑ ON ☐ OFF	74294.2	593 / 307	5.5	5.5
Joshua	07-01-16	☑ ON ☐ OFF	74320.0	593 / 307	5.5	5.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
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3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM Well / Total	Observations	Pre / Post
GT	7/02/16	☑ ON ☐ OFF	74333.9	590 306		5.5 5.5
Joshua	7/05/16	☑ ON ☐ OFF	74414.8	590 306		5.5 5.5
Joshua	7/06/16	☑ ON ☐ OFF	74439.1	589 306		5.5 5.5
Joshua	7/07/16	☑ ON ☐ OFF	74456.1	581 306		5.5 5.5
Joshua	7/08/16	☑ ON ☐ OFF	74487.5	578 305		5.5 5.5
Joshua	7-11-16	☑ ON ☐ OFF	74559.5	590 305		5.5 5.5
Joshua	7-12-16	☑ ON ☐ OFF	74583.5	592 306		5.5 5.5
Joshua	7-13-16	☑ ON ☐ OFF	74606.4	586 305		5.5 5.5
Joshua	7-15-16	☑ ON ☐ OFF	74658.1	586 306		5.5 5.5
GT	7/16/16	☑ ON ☐ OFF	74669.1	583 305		5.5 5.5
Joshua	7/18/16	☑ ON ☐ OFF	74729.5	582 306		5.5 5.5
Joshua	7-19-16	☑ ON ☐ OFF	74751.9	587 305		5.5 5.5
James	7-20-16	☑ ON ☐ OFF	74772.5	588 306		5.5 5.0
Joshua	7-21-16	☑ ON ☐ OFF	74799.4	583 305		5.5 5.5
Joshua	7-22-16	☑ ON ☐ OFF	74823.5	575 304		5.5 5.5
GT	7/23/16	☑ ON ☐ OFF	74837.3	572 305		5.5 5.5
Joshua	7/25/16	☑ ON ☐ OFF	74896.9	574 304		5.5 5.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 (4) (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	WELL / TOTAL		Observations	PRE	POST
Denise Cornett	7.26.16	☑ ON ☐ OFF	74910.9	580	305		5.0	5.5
James	7-26-16	☑ ON ☐ OFF	74915.4	575	305		5.0	5.5
James	7-27-16	☑ ON ☐ OFF	74943.0	577	305		5.0	6.0
James	7-28-16	☑ ON ☐ OFF	74965.1	576	305		5.0	6.0
James	7-29-16	☑ ON ☐ OFF	74988.4	574	306		5.0	6.0
James	7-30-16	☑ ON ☐ OFF	75012.5	576	304		5.5	6.0
Joshua	7-30-16	☑ ON ☐ OFF	75063.9	576	306		5.5	5.5
James	8-2-16	☑ ON ☐ OFF	75088.9	580	304		5.5	6.0
James	8-3-16	☑ ON ☐ OFF	75111.6	576	304		5.0	5.5
James	8-4-16	☑ ON ☐ OFF	75133.0	577	305		5.0	5.5
James	8-5-16	☑ ON ☐ OFF	75158.4	582	305		5.0	5.5
James	8-6-16	☑ ON ☐ OFF	75183.0	581	305		5.0	6.0
Joshua	8-8-16	☑ ON ☐ OFF	75232.5	575	305		5.5	5.5
James	8-9-16	☑ ON ☐ OFF	75254.0	580	305		5.0	5.5
James	8-10-16	☑ ON ☐ OFF	75281.2	579	304		5.0	6.0
James	8-11-16	☑ ON ☐ OFF	75303.5	583	306		5.0	6.0
James	8-12-16	☑ ON ☐ OFF	7308.5	578	305		5.0	5.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	well / tota	Observations	Pre / Post
James	8-13-16	☒ ON ☐ OFF	75351.5	576 / 305		5.0 6.0
Joshua	8-15-16	☒ ON ☐ OFF	75398.4	574 305		5 5.5
James	8-16-16	☒ ON ☐ OFF	75424.2	571 305		5.0 6.0
James	8-17-16	☒ ON ☐ OFF	75445.0	576 305		5.0 6.0
Joshua	8-18-16	☑ ON ☐ OFF	75472.3	568 304		5.0 5.5
James	8-19-16	☒ ON ☐ OFF	75493.6	571 305		5.0 6.0
Joshua	8-22-16	☑ ON ☐ OFF	75563.6	570 306		5.5 6.0
James	8-23-16	☒ ON ☐ OFF	75578.5	573 304		5.0 6.0
James	8-26-16	☒ ON ☐ OFF	75663.5	573 305		5.0 6.0
James	8-27-16	☒ ON ☐ OFF	75690.9	571 305		5.0 6.0
James	8-30-16	☒ ON ☐ OFF	75760.3	579 306		5.0 6.0
James	8-31-16	☒ ON ☐ OFF	75786.1	573 306		5.0 6.0
James	9-1-16	☒ ON ☐ OFF	75809.1	574 305		5.0 6.0
James	9-2-16	☒ ON ☐ OFF	75834.2	577 306		5.0 5.5
Joshua	9-3-16	☑ ON ☐ OFF	75878.2	580 305		5. 5.5
James	9-6-16	☒ ON ☐ OFF	75889.1	573 305		5.0 5.5
James	9-7-16	☒ ON ☐ OFF	75951.0	576 306		5.5 6.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 (4) (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM Well/total	Observations	Filters Pre/Post
James	9-9-16	☒ ON ☐ OFF	75998.5	573-305		5.0 6.0
James	9-10-16	☒ ON ☐ OFF	76025.5	578-305		5.0 6.0
Joshua	9-12-16	☑ ON ☐ OFF	76074.5	582 · 304		5.5 5.5
James	9-13-16	☒ ON ☐ OFF	76098.0	581 · 305		5.0 6.0
James	9-14-16	☒ ON ☐ OFF	76120.3	587-305		5.0 6.0
James	9-15-16	☒ ON ☐ OFF	76153.1	588-313		6.0 5.5
James	9-16-16	☒ ON ☐ OFF	76168.9	585-305		5.5 5.5
James	9-17-16	☒ ON ☐ OFF	76189.9	582 - 305		5.5 6.0
Joshua	9-19-16	☑ ON ☐ OFF	76240.8	573 305		5.5 5.5
James	9-20-16	☒ ON ☐ OFF	76131.7	572 304		5.0 5.5
James	9-22-16	☒ ON ☐ OFF	7613.0	579 305		5.5 6.0
James	9-23-16	☒ ON ☐ OFF	76332.5	582 306		5.0 5.5
James	9-21-16	☒ ON ☐ OFF	76360.2	581 305		5.0 6.0
James	9-27-16	☒ ON ☐ OFF	76432.4	586 305		5.0 6.0
James	9-29-16	☒ ON ☐ OFF	76480.6	580 304		5.0 6.0
James	9-30-16	☒ ON ☐ OFF	76504.1	579 306		5.0 5.5
James	10-1-16	☒ ON ☐ OFF	76528.7	582 306		5.0 6.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Well / Total — Pre - Post

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFm	Observations	Filter
Joshua	10-3-16	☑ ON ☐ OFF	76574.6	581 - 306		5.0 - 5.5
James	10-4-16	☑ ON ☐ OFF	76600.5	577 - 305		5.5 5.5
James	10-5-16	☑ ON ☐ OFF	76626.6	582 - 304		5.0 6.0
James	10-6-16	☑ ON ☐ OFF	76643.1	576 - 304		5.0 6.0
James	10-7-16	☑ ON ☐ OFF	76672.3	581 - 305		5.0 6.0
James	10-8-16	☑ ON ☐ OFF	76697.4	575 - 306		6.0 5.0
James	10-11-16	☑ ON ☐ OFF	76772.0	582 - 306		5.0 5.5
James	10-12-16	☑ ON ☐ OFF	76793.9	583 - 306		5.0 6.0
James	10-13-16	☑ ON ☐ OFF	76818.4	585 - 304		5.0 6.0
James	10-14-16	☑ ON ☐ OFF	76839.9	578 - 305		5.0 6.0
Joshua	10-20-16	☑ ON ☐ OFF	76979.6	578	305	5.0 - 5.5
Joshua	10-21-16	☑ ON ☐ OFF	77006.0	583	306	5.0 5.5
Joshua	10-24-16	☑ ON ☐ OFF	77081.0	583	306	5.0 5.0
James	10-25-16	☑ ON ☐ OFF	77103.7	582	306	5.5 - 6.0
James	10-26-16	☑ ON ☐ OFF	77129.0	586 -	305	5.0 6.0
J. James	10-27-16	☑ ON ☐ OFF	77150.5	587 -	304	5.0 6.0
James	10-28-16	☑ ON ☐ OFF	77177.5	578 -	305	5.0 6.0

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM well / total	Observations	Filters pre / post
James	10-29-16	☒ ON ☐ OFF	77202.6	581 - 304		5.0 - 6.0
Joshua	10-30-16	☒ ON ☐ OFF	77249.2	575 304		5.0 5.5
James	11-1-16	☒ ON ☐ OFF	77272.5	583 - 304		5.0 - 6.0
James	11-2-16	☒ ON ☐ OFF	77291.6	582 - 304		5.0 - 6.0
James	11-3-16	☒ ON ☐ OFF	77321.4	581 - 303		5.0 - 6.0
James	11-5-16	☒ ON ☐ OFF	77363.2	587 - 306		5.0 - 6.0
Joshua	11-7-16	☒ ON ☐ OFF	77417.8	589 - 304		5.0 5.5
James	11-8-16	☒ ON ☐ OFF	77440.3	587 - 305		5.0 - 6.0
James	11-9-16	☒ ON ☐ OFF	77463.2	582 - 305		5.0 6.0
James	11-10-16	☒ ON ☐ OFF	77682.0	573 - 304		5.5 - 6.0
James	11-11-16	☒ ON ☐ OFF	77512.6	588 - 305		5.0 - 6.0
James	11-16-16	☒ ON ☐ OFF	77634.5	583 - 303		5.0 - 6.0
James	11-17-16	☒ ON ☐ OFF	77658.1	585 - 305		5.0 - 6.0
James	11-18-16	☒ ON ☐ OFF	77681.5	584 - 303		5.0 - 6.0
James	11-19-16	☒ ON ☐ OFF	77704.5	585 - 304		5.0 - 6.0
James	11-22-16	☒ ON ☐ OFF	77779.0	582 - 304		5.0 - 5.0
Denise Cosenza	11-28-16	☒ ON ☐ OFF	77911.3	593 307		5.5 5.5

ROUTINE SYSTEM CHECK

PARCEL 9 VAPOR MITIGATION SYSTEM

48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

ZONE: 1 2 3 4 (Circle One)

Readings/Observations to be recorded by AvalonBay Site Representative.

1. Record Inspector Name and Date.
2. Observe and record if blower is on or off. **If blower is off, immediately notify an emergency contact listed on attached page.**
3. Observe and record the elapsed runtime.
4. Record any other comments e.g., unusual odors, spills, leaks, etc. **If such conditions exsist, immediately notify an emergency contact listed on attached page.**
5. Retain this page on-site for collection by ATC Associates.
6. Conduct inspections daily during first month of operation and weekly thereafter.

Inspector Name	Date	Blower On/Off	Runtime (hours)	CFM Well / Total	Observations	Filters Pre - Post
Joshua	11-29-16	☑ ON ☐ OFF	77941.7	594 306		5.0 5.5
James	12-7-16	☒ ON ☐ OFF	78140.8	595 - 307		5.0 - 6.0
DENISE	12.23.16	☒ ON ☐ OFF	78511.5	596 306		5.5 - 6.0
Joshua	12.28.16	☒ ON ☐ OFF	78636.7	598 - 308		5.5 - 6.0
James	12-29-16	☒ ON ☐ OFF	78642	594 - 307		5.0 - 6.0
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				
		☐ ON ☐ OFF				

Appendix C - Site-wide Inspection Log

SITE WIDE INSPECTION FORM
QUEENS WEST PARCEL 9
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

Inspector: Denise Cosenza

Date: 12-23-16

1. Site Use Restrictions

No on-site vegetable gardens?

NONE

No groundwater withdrawal for potable/non-potable use?

NONE

Restricted residential maintained (single owner, or common ownership)?

YES

2. Site Cap

Note the date that the annual site cap inspection was performed:

12-23-16

Repairs made as noted during inspection?

NONE NOTED - N/A

3. Soil Management

Note the date(s) of any soil disturbance activities conducted during the past year:

N/A

Proper soil management procedures implemented (cite appropriate close out reports)?

N/A

4. Groundwater Monitoring

Monitoring being conducted on a quarterly basis (note the dates of sampling conducted)?

N/A

All on-site monitoring wells in working condition (note any repairs/replacement)?

N/A All on-site monitoring wells have been decommissioned.

5. Vapor Discharge Monitoring

Monitoring being conducted on a quarterly basis (note the dates of sampling conducted)?

N/A

All vapor monitoring points in working condition (note any repairs/replacement)?

N/A

SITE WIDE INSPECTION FORM
QUEENS WEST PARCEL 9
48th AVE. AND CENTER BLVD., LONG ISLAND CITY, NEW YORK

6. Permits

Do vapor emissions meet NYSDEC regulatory standards?

N/A

7. Vapor mitigation system O&M

Are routine system check logs being completed by on-site representative?

Yes

Are Periodic Inspections being conducted as scheduled (note the dates of all inspections)?

yes - 1-25-16, 2-18-16, 3-18-16, 4-14-16, 5-31-16, 6-23-16
7-26-16, 8-24-16, 9-19-16, 10-28-16, 11-28-16, 12-23-16

8. Recordkeeping

Check that the following records/reports are being maintained/completed (note report/log dates as appropriate):

1) Annual site cap inspection log

yes - 12-23-16

2) Close-out report(s) for soil disburbance activities (including manifests for soil disposal)

N/A

3) Annual groundwater monitoring reports (including laboratory analytical data reports/groundwater contours)

N/A

4) Annual vapor discharge monitoring reports

N/A

5) Routine System Check Log for vapor mitigation system

yes

6) Periodic Inspection Log for vapor mitigation system

yes

7) Annual vapor mitigation system O&M reports

yes

9. Comments

(Note any deficiencies and recommendations for corrective actions.)

NONE

Appendix D - Institutional and Engineering Control Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C241049**

Site Name **Queens West (Hunter's Point) Parcel 9**

Site Address: 4-75 48th Avenue Zip Code: 11101
City/Town: Long Island City
County: Queens
Site Acreage: 1.8

Reporting Period: December 31, 2015 to December 31, 2016

	YES	NO
1. Is the information above correct?	●	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	●
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	●
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	●
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	●

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	●	☐
7. Are all ICs/ECs in place and functioning as designed?	●	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	●

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	●	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241049 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	NYCDOT attn: Division of Legal Affairs	Ground Water Use Restriction Landuse Restriction Site Management Plan

The site is limited to commercial use.
The groundwater underlying the Property may not be used without treatment rendering it safe for drinking water, as appropriate, unless the user first obtains permission to do so from the Department.

19-1	Queens West Development Corporation	Site Management Plan Ground Water Use Restriction Landuse Restriction

The Controlled Property may be used for restricted residential use as long as the following long-term engineering and institutional controls are employed:

a) All engineering controls (including the site cover and sub-slab vapor depressurization system and active venting system) must be operated and maintained as specified in the NYSDEC-approved Site Management Plan (SMP). No Engineering or Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of the Environmental Easement;
b) Annual inspections of the Site, certifications of Institutional and Engineering Controls and Site usage of the controlled property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved SMP;
c) all future soil disturbance activities on the Site that will impact residual contaminated material, including, but not limited to, building construction or expansion, subgrade utility line construction or repair, must be conducted in accordance with the Soil Management provisions in the NYSDEC-approved SMP;
d) Operation Monitoring and Maintenance (OM&M) of the sub-slab depressurization system must be performed in a manner specified in the NYSDEC-approved SMP;
e) Groundwater and other environmental or public health monitoring required by the NYSDEC-approved SMP must be performed in a manner specified in that Plan;
f) Onsite environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved SMP;
g) The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose; and
h) Vegetable gardens are prohibited.

The Controlled Property may not be used for a higher level of use such as unrestricted residential without proper notification of NYSDEC of the change of, approval of that use by the NYSDEC, and an amendment of the SMP approved by NYSDEC.

19-19	Queens West Development Corporation	Ground Water Use Restriction Site Management Plan Landuse Restriction

The Controlled Property may be used for restricted residential use as long as the following long-term engineering and institutional controls are employed:

a) All engineering controls (including the site cover and sub-slab vapor depressurization system and active venting system) must be operated and maintained as specified in the NYSDEC-approved Site Management Plan (SMP). No Engineering or Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of the Environmental Easement;
b) Annual inspections of the Site, certifications of Institutional and Engineering Controls and Site usage of the controlled property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved SMP;
c) all future soil disturbance activities on the Site that will impact residual contaminated material, including, but not limited to, building construction or expansion, subgrade utility line construction or repair, must be conducted in accordance with the Soil Management provisions in the NYSDEC-approved SMP;

d) Operation Monitoring and Maintenance (OM&M) of the sub-slab depressurization system must be performed in a manner specified in the NYSDEC-approved SMP;
e) Groundwater and other environmental or public health monitoring required by the NYSDEC-approved SMP must be performed in a manner specified in that Plan;
f) Onsite environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved SMP;
g) The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose; and
h) Vegetable gardens are prohibited.

The Controlled Property may not be used for a higher level of use such as unrestricted residential without proper notification of NYSDEC of the change of, approval of that use by the NYSDEC, and an amendment of the SMP approved by NYSDEC.

19-5 Queens West Development Corporation

Site Management Plan
Landuse Restriction
Ground Water Use Restriction

The Controlled Property may be used for restricted residential use as long as the following long-term engineering and institutional controls are employed:

a) All engineering controls (including the site cover and sub-slab vapor depressurization system and active venting system) must be operated and maintained as specified in the NYSDEC-approved Site Management Plan (SMP). No Engineering or Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of the Environmental Easement;
b) Annual inspections of the Site, certifications of Institutional and Engineering Controls and Site usage of the controlled property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved SMP;
c) all future soil disturbance activities on the Site that will impact residual contaminated material, including, but not limited to, building construction or expansion, subgrade utility line construction or repair, must be conducted in accordance with the Soil Management provisions in the NYSDEC-approved SMP;
d) Operation Monitoring and Maintenance (OM&M) of the sub-slab depressurization system must be performed in a manner specified in the NYSDEC-approved SMP;
e) Groundwater and other environmental or public health monitoring required by the NYSDEC-approved SMP must be performed in a manner specified in that Plan;
f) Onsite environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved SMP;
g) The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose; and
h) Vegetable gardens are prohibited.

The Controlled Property may not be used for a higher level of use such as unrestricted residential without proper notification of NYSDEC of the change of, approval of that use by the NYSDEC, and an amendment of the SMP approved by NYSDEC.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Cover System
The composite cover system consisting of the asphalt and concrete of the roadway and sidewalk or a minimum of 1 foot of clean fill on any unpaved areas.	
19-1	Subsurface Barriers Vapor Mitigation Cover System
19-19	Vapor Mitigation

Parcel	Engineering Control
	Cover System Subsurface Barriers
19-5	Vapor Mitigation Cover System Subsurface Barriers

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
●	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
●	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C241049

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Appendix E - NYSDEC Site Management Modification Approval Letters

New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street, Long Island City, NY 11101
Phone: (718) 482-6454 • **Fax:** 718-482-6358
Website: www.dec.ny.gov

Joe Martens
Commissioner

June 4, 2013

Martin Piazzola
Avalon Bay Communities, Inc.
275 7th Avenue, 25th Floor
New York, NY 10001

Re: Site Management Plan (SMP) Modification Request
Queens West (Hunter's Point) Parcel 9, Long Island City
Queens County, Site No.: C241049

Dear Mr. Piazzola:

The New York State Department of Environmental Conservation has reviewed your letter dated March 26, 2013, requesting changes in the SMP requirements for monitoring soil vapor and groundwater. The requested changes for the sampling of soil vapor are under review and will be addressed in separate letter. In the meantime, the monitoring for soil vapor must continue as specified in the SMP. The request to change the frequency of groundwater monitoring from quarterly to semi-annually is approved.

The Site Management Plan must be updated to reflect the approved changes in the groundwater monitoring requirements. Please submit revised pages to the Department within 30 days from the date of this letter. Subsequent to the approval of the changed pages, a revised SMP (in pdf format) with an updated title page must be submitted.

If you have any questions, please contact me at 718-482-4891 or e-mail: smmartin@gw.dec.state.ny.us.

Sincerely,

Sondra Martinkat-Taule
Project Manager

ec: Jane O'Connell - NYSDEC
Dawn Hettrick - NYSDOH
Arana Hankin - QWDC
John Mascioli – Cardno

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2 Office
47-40 21st Street, Long Island City, New York 11101
Phone: (718) 482-6454 • **Fax:** 718-482-6358
Website: www.dec.ny.gov

Joe Martens
Commissioner

December 20, 2013

Martin Piazzola
Avalon Riverview II, LLC
c/o Avalon Bay Communities, Inc.
275 Seventh Avenue, 25th Floor
New York, NY 10001

Re: Site Management Modification Approval
Queens West (Hunter's Point) Parcel 9, Long Island City
Queens County, Site No.: C241049

Dear Mr. Piazzola:

The New York State Department of Environmental Conservation (the Department), in conjunction with the New York State Department of Health, has reviewed the letter submitted by ATC-Cardno Inc, on behalf of Avalon Riverview II, LLC, on March 26, 2013, requesting modification to monitoring requirements specified in the Site Management Plan (SMP). The frequency of groundwater monitoring was the subject of a previous letter dated June 4, 2013. This letter addresses the request to alter the monitoring schedule for soil vapor effluent at the sub-slab depressurization systems (SSDS).

The Department hereby approves the request to modify the SMP. The quarterly sampling at the four SSDS zones may be discontinued. The carbon may be removed and properly disposed of, with documentation included in the Periodic Review Report. All other monitoring requirements remain in effect.

Within 30 days, please submit the appropriate sections of the SMP with revisions (in redline/strikeout mode if possible) to my attention, and include a revised cover page noting the modifications. Following approval of the revised SMP sections, the report will be distributed and a new copy placed in the project repository.

If you have any questions, or need additional forms, please contact me at 718-482-4891 or e-mail: smmartin@gw.dec.state.ny.us.

Sincerely,

Sondra Martinkat
Environmental Engineer 2

ec: Jane O'Connell – NYSDEC
Dawn Hettrick – NYSDOH
John Mascioli – ATC-Cardno

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

November 24, 2015

David Lewis
Avalon Riverview II
c/o AvalonBay Communities, Inc.
Ballston Tower
671 N. Glebe Road, Suite 800
Arlington VA 22203

Re: Modification of Site Management Plan (SMP) for Queens West Parcel 9 ("Site")
Site ID No.: C241049
Long Island City, Queens County

Dear Mr. Lewis:

The New York State Department of Environmental Conservation has reviewed the February 12, 2015 request to modify the Site Management Plan with respect to semi-annual groundwater monitoring. The request to discontinue monitoring is approved.

Please maintain wells MW-2 and MW-8 to be available for gauging and monitoring by Queens West Development Corp. for the Queens West Center Blvd. Voluntary Cleanup Program site, V00194A. You must decommission the remaining wells in accordance with NYSDEC CP-43 Groundwater Well Decommissioning Policy, which can be found at http://www.dec.ny.gov/regulations/2393.html.

The Site Management Plan must updated to reflect the approved changes. Submit the section number and the text that will replace the current SMP section(s). The title page has to be updated also. Once reviewed, a new PDF document of the SMP will be reissued to the Department and to all repositories.

If you have any questions, please contact me at 718-482-4891, or email me at Sondra.martinkat@dec.ny.gov .

Sincerely,

Sondra Martinkat
Project Manager

cc: Jane O'Connell – NYSDEC
Denise Cosenza, Gil Gedeon – ATC Cardno
Simon Wynn – QWDC
Steve Panter – FLS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

March 22, 2016

David Lewis
AvalonBay Communities, Inc.
1499 Post Road, 2nd floor
Fairfield, CT 06824

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
Queens West (Hunter's Point) Parcel 9, Long Island City
Queens County, Site No.: C241049

Dear Mr. Lewis (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 12/31/2014 to 12/31/2015.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is one (1) year, and your next PRR is due on January 30, 2017. You will receive a reminder letter and updated certification form 45-days prior to the due date.

A letter was sent on November 24, 2015 with instructions to close all groundwater wells except MW-2 and MW-8. It is my understanding that these wells have not yet been decommissioned. Please decommission all wells *including* MW-2 and MW-8 within the next 90 days in accordance with CP-43. Submit documentation in the next PRR.

If you have any questions, please contact me at 718-482-4891 or e-mail: Sondra.martinkat@dec.ny.gov .

Sincerely,

Sondra Martinkat
Project Manager

ec: Jane O'Connell – NYSDEC
Dawn Hettrick – NYSDOH
Simon Wynn, Esq. – Queens West Development Corporation
Matthew Ulrich – Avalon Bay Communities
Gil Gedeon, Denise Cosenza – ATC Cardno

Appendix F - Disposal Documentation

RECOVERY ENVIRONMENTAL SERVICES, INC.

51 U.S. Highway 206 • Suite 102 • Augusta, New Jersey 07822
Phone: (973) 940-3144 • Fax: (973) 940-3146

DAILY JOB REPORT

Company ATC
Street 4-75 48TH AVE
City, State, Zip LIC NY
Location of Work 48+5
Contact JOHN Telephone
Change of Scope (Call your supervisor)

Job Complete ❑ Yes ❑ No Lunch Taken ❑ Yes ❑ No

Day/Date 2-19-14 WED Job Number
Tail Gate Safety Meeting - Time Supervisor/Foreman CULIN
Job Description
DISCONNECT CARBON DRUM'S
AND REMOVE OFF SITE RECONNECT SYSTEM
WITH OUT CARBON AS TO CUSTUMER

Name	Left Shop	On Site	Left Site	At Shop	Total
CULIN	500	700	930		
KEVIN	500	700	930		

Equipment - Type	Qty.
RACK TRUCK	
DRUM CART	
MISC HAND TOOL'S	

Material - Type	Qty.

C.U.L.

Customer

White - CORPORATE OFFICE Canary - BRANCH OFFICE Pink - CUSTOMER Gold - OFFICE

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier's Name: RECOVERY ENVIRONMENTAL SERVICES INC Carrier's No. _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at 4-75 48th Ave LIC (Date) 2-19-14 FROM AIC

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO _____

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination _____ Street _____ City _____

_____ County _____ State _____ Zip _____

Route _____ Delivery Address ★ _____

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier _____ Car or Vehicle Initials and No. _____

Collect on Delivery $ _____ And Remit to _____

_____ Street _____ City _____ State _____

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
2		55 Gallon Drum's (HAZ'Bus)	1000 LBS.	DR	

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of consignor.)

C. O. D. Charges to be Paid by
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

_____ Shipper, Per _____ Agent

Permanent post-office address of shipper, _____ Per _____

3

Appendix G – Well Decommissioning Records

FIGURE 3

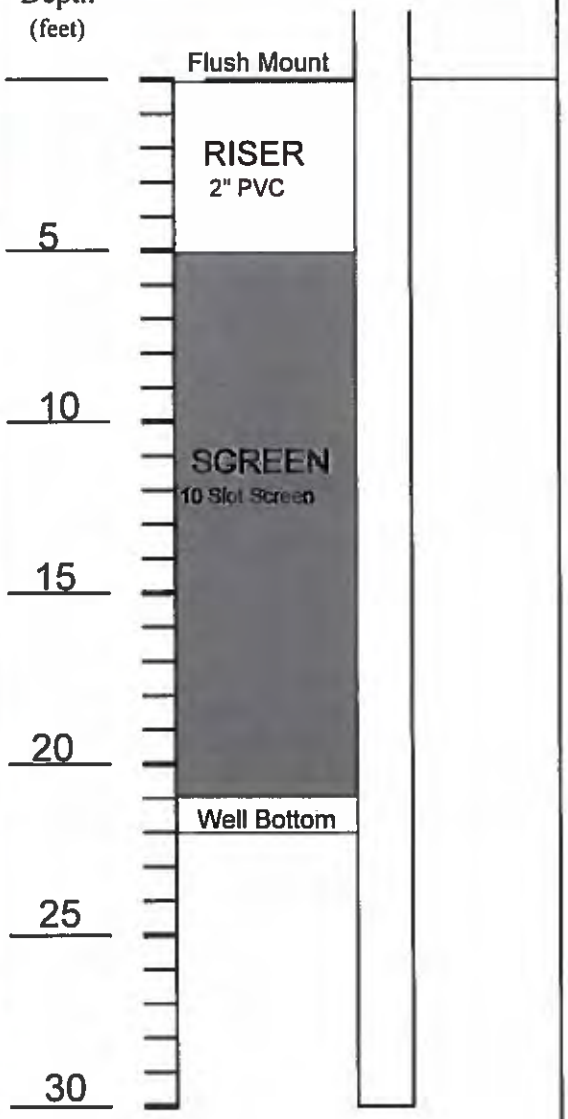
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-11R
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 5, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-22
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative

FIGURE 3

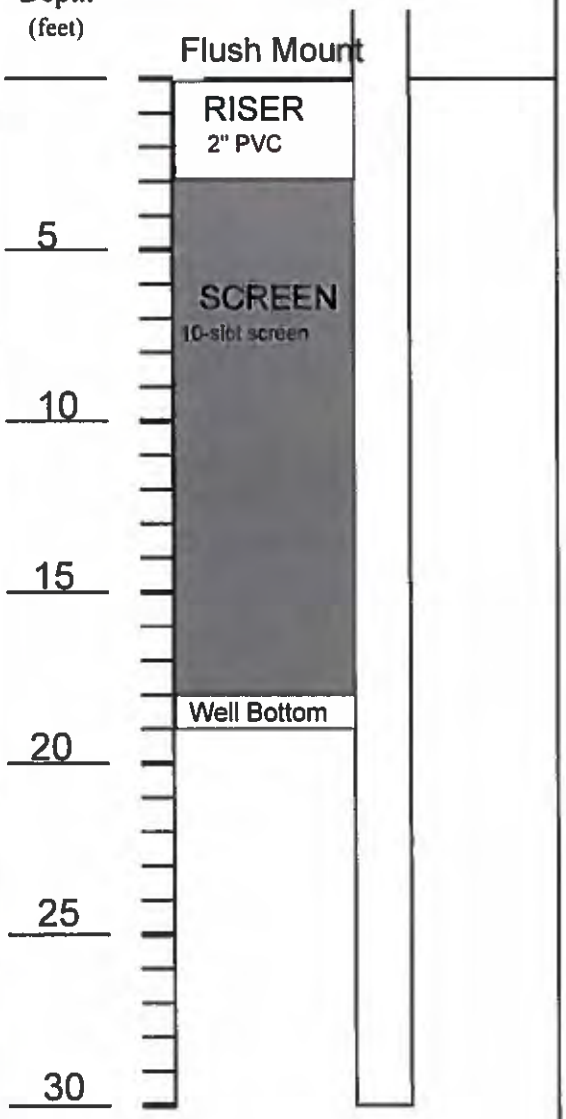
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-12R
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 5, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-19
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: Flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative

FIGURE 3

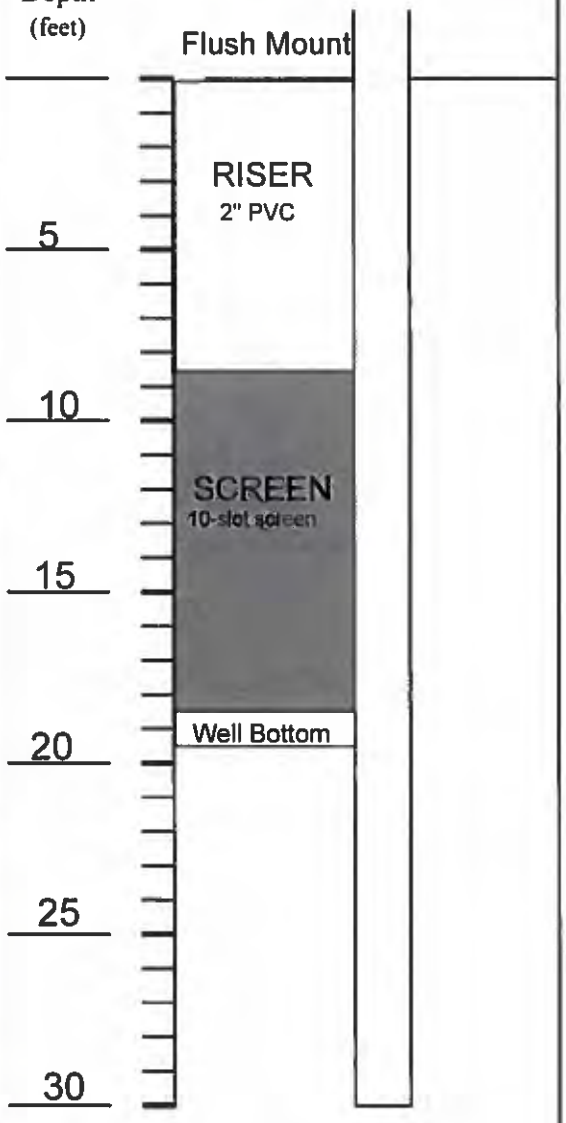
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-14
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 5, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-19.5
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: Flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

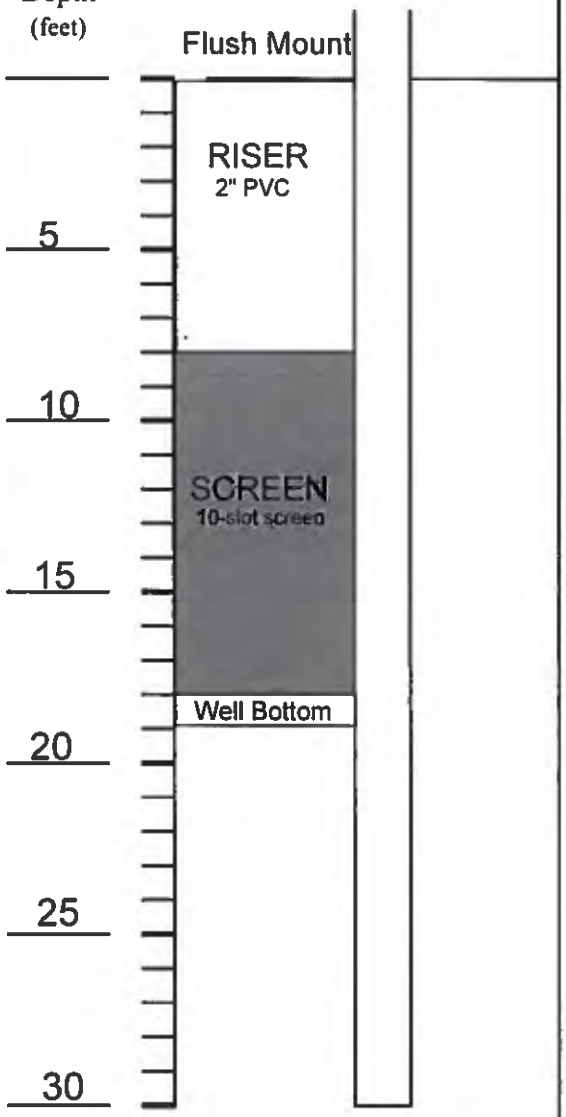
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-16
Site Location: Queens, New York	Driller: CTJ
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 5, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-19
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: Flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative

FIGURE 3

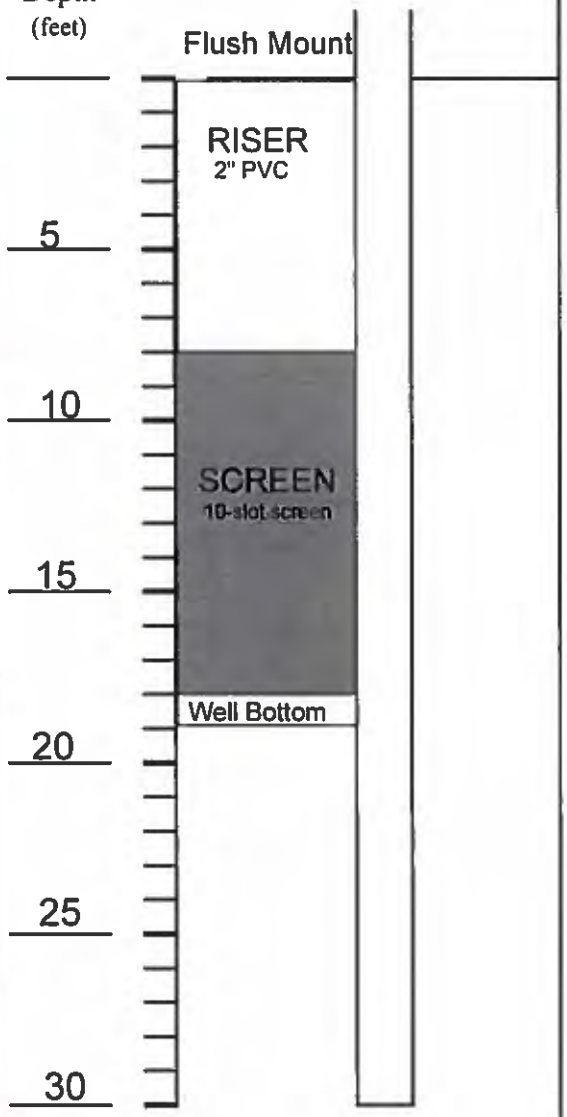
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-17
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 5, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-19
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: Flush mt. removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative

FIGURE 3

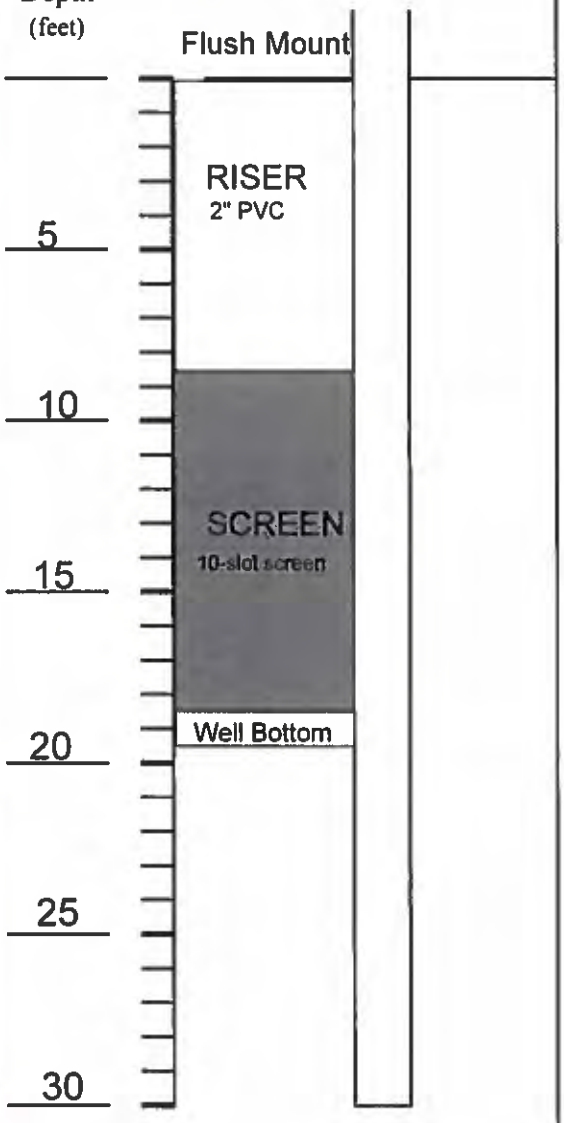
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-15
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 6, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-20
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	type 1
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	4

WELL SCHEMATIC*



COMMENTS: Flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative

FIGURE 3

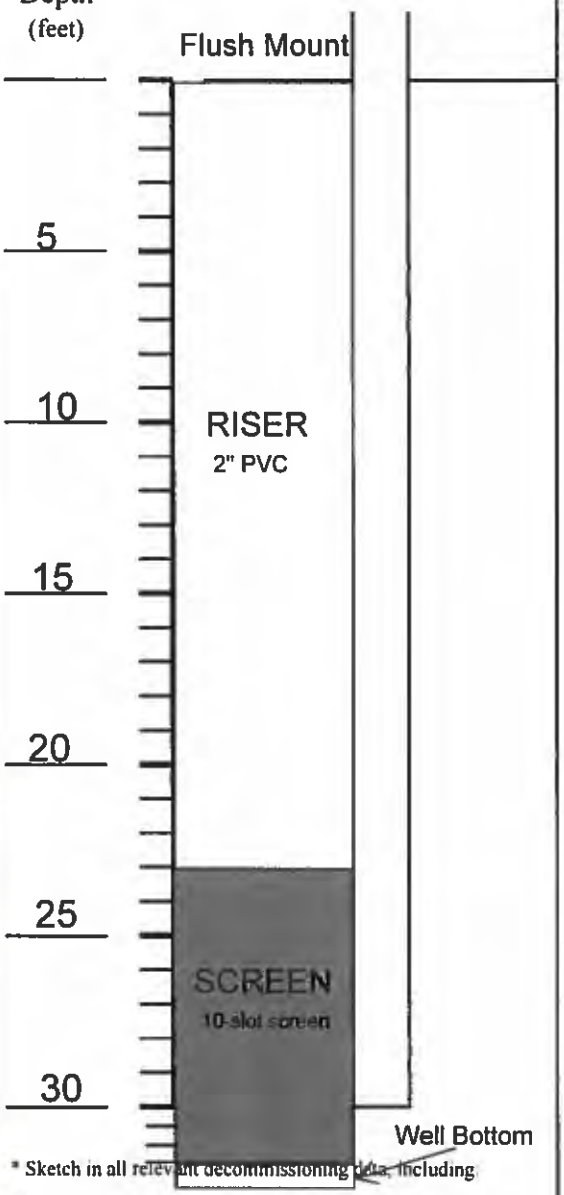
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-2
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 6, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-34
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	TYPE I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	17
Volume of grout used (gal.)	6

WELL SCHEMATIC*



* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

COMMENTS: Flush mount removed

Drilling Contractor

Department Representative

FIGURE 3

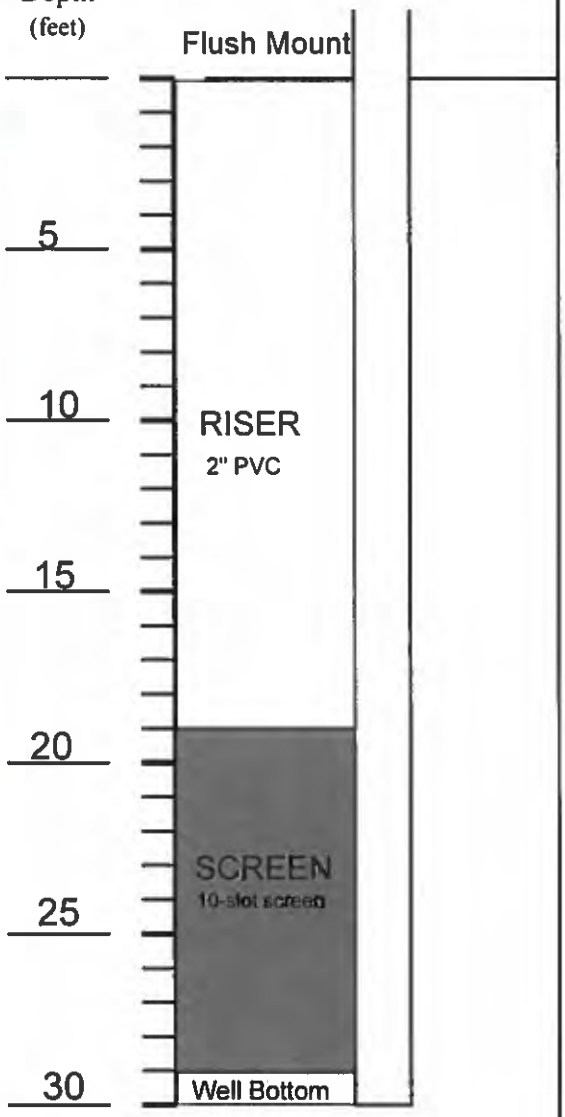
WELL DECOMMISSIONING RECORD

Site Name: Queens West Development Parcel 9	Well I.D.: MW-8
Site Location: Queens, New York	Driller: CTS
Drilling Co.: Zebra Technical Services, LLC	Inspector: Denise Cosenza
	Date: April 6, 2016

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-30
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94
Cement type	Type I
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	12
Volume of grout used (gal.)	6

WELL SCHEMATIC*



COMMENTS: Flush mount removed

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Drilling Contractor

Department Representative