

LEASE AGREEMENT

BY AND BETWEEN

CITY OF ALAMEDA,

a charter city and municipal corporation
AS LANDLORD

and

BAY SHIP & YACHT, INC.

a California corporation
AS TENANT

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Exhibit

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- E ENVIRONMENTAL QUESTIONNAIRE
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LEASE AGREEMENT

BASIC LEASE INFORMATION

<i>Lease Date:</i>	Dated July 1, 2014 for reference purposes only
<i>Landlord:</i>	City of Alameda, a charter city and municipal corporation
<i>Landlord's Address:</i>	City of Alameda Alameda City Hall 2263 Santa Clara Ave Alameda, CA 94501 Tel: (510) 748-4509 Attn: City Manager Notice Copy to: PM Realty Group, L.P., as Agent for City of Alameda 101 W. Atlantic Avenue Alameda, CA 94501 Tel: (510) 749-0304
<i>Tenant:</i>	Bay Ship & Yacht, Inc., a California corporation
<i>Tenant's Address:</i>	Bay Ship & Yacht, Inc. 1450 Ferry Point Alameda, CA 94501
<i>Premises:</i>	Those certain premises located at 1450 Ferry Point, Alameda, CA (Building 292) consisting of approximately two thousand seven hundred (2,700) rentable square feet, as depicted in Exhibit A-1
<i>Building:</i>	Building 292
<i>Length of Term:</i>	Sixty (60) months
<i>Estimated Commencement Date:</i>	October 1, 2014
<i>Estimated Expiration Date:</i>	September 30, 2019
<i>Extension Option:</i>	None

<i>Base Rent:</i>	<i>Months</i>	<i>Monthly Base Rent</i>
	1 – 12	\$1,815.00
	3 – 24	\$1,869.45
	25 – 36	\$1,925.53
	37 – 48	\$1,983.30
	49 – 60	\$2,042.80
<i>Taxes and Utilities:</i>	Tenant shall pay all costs for services and utilities to the Premises, as defined in the Lease. Tenant shall pay all taxes (including possessory interest taxes) levied on or against the Premises or its personal property.	
<i>Tenant's Share:</i>	100%	
<i>Security Deposit:</i>	None	
<i>Permitted Use:</i>	General office, shop and storage of parts and equipment	
<i>Parking:</i>	Tenant shall have the right, on a non-exclusive basis, in common with other tenants, to have its employees and visitors park in the paved areas adjacent to the Buildings as identified as the Land and Parking Areas on Exhibits A-2 and A-3 attached hereto, as further set forth in Section 2.2 herein below.	
<i>Brokers:</i>	PM Realty Group	

LEASE AGREEMENT

THIS LEASE AGREEMENT is made and entered into by and between CITY OF ALAMEDA, a charter city and municipal corporation (“**Landlord**”) and BAY SHIP & YACHT, INC., a California corporation (“**Tenant**”). The Basic Lease Information, the Exhibits and this Lease Agreement are and shall be construed as a single instrument and are referred to herein as the “**Lease**”.

1. DEMISE.

1.1 Lease Agreement. In consideration for the rents and all other charges and payments payable by Tenant, and for the agreements, terms and conditions to be performed by Tenant in this Lease, Landlord does hereby lease to Tenant and Tenant does hereby hire and take from Landlord, the Premises described below, upon the agreements, terms and conditions of this Lease for the Term hereinafter stated.

1.2 Termination of Original Lease. Tenant currently occupies the Premises under a lease agreement dated for reference purposes as August 1, 2004 between Tenant and Landlord’s predecessor-in-interest, Alameda Reuse and Redevelopment Authority as amended by that certain First Amendment to Lease Agreement dated February 25, 2013 (the “**Original Lease**”). The term of the Original Lease expired on February 28, 2014, and since that time Tenant has occupied and continues to occupy the Premises on a month-to-month tenancy. It is the intent of the parties hereto that the Original Lease shall be and hereby is terminated as of the Commencement Date of this Lease, except those indemnification obligations which survive the termination of the Original Lease for claims occurring prior to the date of this Lease. Tenant’s continued use and occupancy of the Premises shall be pursuant to the terms of this Lease.

2. PREMISES.

2.1 Premises. The Premises demised by this Lease are as specified in the Basic Lease Information. Said Premises are located on property commonly referred to as the former Naval Air Station Alameda (“**Property**”). The Premises have the address and contain the square footage specified in the Basic Lease Information; provided, however, that any statement of square footage set forth in this Lease is an approximation which Landlord and Tenant agree is reasonable and no economic terms based thereon shall be subject to revision whether or not the actual square footage is more or less.

2.2 Land and Parking. Provided that Tenant shall not be in Default under the terms and conditions of this Lease, in addition to the Premises, Landlord grants to Tenant a license to use the land area appurtenant to the Premises as generally depicted on **Exhibit A-2** attached hereto (“**Land**”). Landlord further grants Tenant a license for Tenant and its employees, agents, suppliers, customers and patrons the right to use those portions of the Land designated on **Exhibit A-3** for parking purposes (the “**Parking Area**”). Tenant may also use the Parking Area for the loading and unloading of trucks shipping items to and from the Premises. Landlord shall not be required to enforce Tenant’s rights to use any parking spaces on the Parking Area. Landlord reserves the right, from time to time, to stripe, restripe or otherwise designate those areas of the Land (exclusive of the Parking Area) which may be used for parking purposes.

Under no circumstances may the Land or Parking Area be utilized for the storage (beyond 72 hours), repair or maintenance of any vehicles. Should Tenant or its agents, employees or invitees use the Land or Parking Area or any portion thereof in violation of this Section 2.2, Landlord shall have the right, without notice, in addition to such other rights and remedies that it may have, to tow away any vehicle involved and charge the cost of towing and storage to Tenant, which cost shall be immediately payable upon demand by Landlord as Additional Rent. Neither Landlord nor any Landlord Related Party (as defined in Section 14.1 below) shall be liable for: (a) loss or damage to any vehicle or other personal property parked or located upon or within the Land or Parking Area, whether pursuant to this license or otherwise and whether caused by fire, theft, explosions, strikes, riots, or any other cause whatsoever; or (b) injury to or death of any person in, about or around any parking spaces or any portion of the Land of parking Area or any vehicles parked thereon whether caused by fire, theft, assault, explosion, riot or any other cause whatsoever and Tenant hereby waives any claims for, or in respect to, the above. Tenant shall not assign any of its rights under this Section 2.2 except in connection with an assignment of Tenant's interests in the Lease or a sublease in accordance with Article 13 below and in the event an attempt to assign is made, it shall be void. Landlord shall have no maintenance obligations for the Land and all provisions of this Lease concerning Tenant's rights and obligations governing its use and occupancy of the Premises that are not inconsistent with this Section 2.2 shall be applicable to the Land and parking areas. In addition to the foregoing, if Tenant desires storage rights or other such uses of the Land, Tenant shall provide a narrative written description and plans showing such uses for Landlord's review and approval. If Tenant obtains Landlord's approval for outside storage or other uses, the same shall be properly screened.

2.3 [Intentionally Omitted].

2.4 Possession. Tenant acknowledges that it is currently in possession of the Premises under the Original Lease and it agrees to remain in occupancy of the Premises under this Lease in its "AS IS" "WITH ALL FAULTS" condition and configuration without any representations or warranties by Landlord, and subject to all matters of record and all applicable laws, ordinances, rules and regulations and with no obligation of Landlord to make alterations or improvements to the Premises. Tenant acknowledges that neither Landlord nor any agent of Landlord has made any representation or warranty with respect to the suitability of the Premises or the Buildings for the conduct of Tenant's business. Landlord shall not be liable for any latent or patent defects in the Premises, excepting Tenant Improvements constructed by Landlord, if any. Tenant shall be responsible for requesting an inspection and obtaining a Certificate of Occupancy from the City of Alameda. This shall include, but is not limited to any necessary fire sprinkler upgrades, electrical service upgrades, compliance with the ADA (as defined at Section 6.2 below), and any other requirements mandated by the Certificate of Occupancy inspection.

2.5 Landlord's Reserved Rights. Landlord hereby reserves the right, and at any time and from time to time, without the same constituting an actual or constructive eviction, to make alterations, additions, repairs, improvements to or in all or any part of the Building, and Common Areas within and around the Building and to change the arrangement and/or location of entrances or passageways, doors and doorways, corridors, elevators, stairs, toilets and other public parts of the Building and parking areas, drive isles, landscaping, curb cuts and paved and unpaved portions of the exterior Common Areas. Without limiting the foregoing, Landlord reserves the right from time to time to install, use, maintain, repair, relocate and replace pipes, ducts,

conduits, wires, meters and equipment for services to the Premises or other part of the Building which are above the ceiling surfaces, below the floor surfaces, within the walls and in the central core areas of the Building which are located within the Premises or located elsewhere in the Building. In connection with any of the foregoing activities, Landlord shall use reasonable efforts to minimize any interference with Tenant's use of the Premises and shall not, without the prior written approval of Tenant, (a) materially change the location, size or configuration of the Premises; or (b) do anything which would have a material and adverse effect on access to the Premises, or ingress and egress to the Premises. No rights to any view or to light or air over any property, whether belonging to Landlord or any other person, are granted to Tenant by this Lease.

3. TERM.

3.1 Term. The term of this Lease ("**Term**") shall be for the period specified in the Basic Lease Information, commencing on the later of (a) the Estimated Commencement Date or (b) one (1) day after this Lease has been approved by the City Council, the date of which approval shall be deemed to be the effective date of an ordinance approving this Lease as required by the City Charter ("**Commencement Date**"). This Lease shall terminate at midnight on the last day of the sixtieth (60th) full calendar month following the Commencement Date ("**Expiration Date**"), unless sooner terminated or extended as hereinafter provided. Promptly following the Commencement Date, Landlord and Tenant shall enter into a letter agreement substantially in the form attached hereto as **Exhibit B**, specifying and confirming the Commencement Date and the Expiration Date; if Tenant fails to execute and deliver such letter agreement to Landlord within ten (10) business days after Landlord's delivery of the same to Tenant, said letter agreement will be deemed final and binding upon Tenant.

3.2 [Intentionally Omitted].

3.3 [Intentionally Omitted].

4. RENT.

4.1 Base Rent. From and after the Commencement Date, Tenant shall pay to Landlord, in advance of the first day of each calendar month, without any setoff or deduction and without further notice or demand, the monthly installments of rent specified in the Basic Lease Information ("**Base Rent**"). One full installment of Monthly Base Rent shall be due and payable on the date of execution of this Lease by Tenant and shall be applied to the first full calendar month for which Monthly Base Rent is due. If the Commencement Date should be on a date other than the first day of a calendar month, the Monthly Base Rent installment paid for any fractional month during the Term shall be prorated based upon a thirty (30) day calendar month. Upon execution of this Lease, Tenant shall also pay to Landlord the amount of the Security Deposit as specified in the Basic Lease Information.

4.2 Additional Rent. As used in this Lease, the term "**Additional Rent**" shall mean all sums of money, other than Base Rent, that are due and payable by Tenant under the terms of this Lease including, but not limited to, Tenant's share of Utilities in accordance with Article 8 of this Lease. The term "**Rent**," as used herein, shall mean all Base Rent, Additional Rent and

all other amounts payable hereunder from Tenant to Landlord. Unless otherwise specified herein, all items of Rent other than Base Rent shall be due and payable by Tenant on or before the date that is thirty (30) days after billing by Landlord.

4.3 Late Charge. Other remedies for non-payment of Rent notwithstanding, if any Monthly Base Rent installment or Additional Rent is not received by Landlord on or before the fifth (5th) day following the due date, or any payment due Landlord by Tenant which does not have a scheduled date is not received by Landlord on or before the thirtieth (30th) day following the date Tenant was invoiced for such charge, a late charge of five percent (5%) of such past due amount shall be immediately due and payable as Additional Rent.

4.4 Interest. Any installment of Rent and any other sum due from Tenant under this Lease which is not received by Landlord within five (5) days from when the same is due shall bear interest from the date such payment was originally due under this Lease until paid at the lesser of: (a) an annual rate equal to the maximum rate of interest permitted by law, or (b) ten percent (10%) per annum. Payment of such interest shall not excuse or cure any Default by Tenant.

5. OPERATING EXPENSES AND TAXES.

5.1 Definitions. For purposes of this Article 5, the following terms shall have the meanings hereinafter set forth:

(a) **Tenant's Share** shall mean the percentage figure so specified in the Basic Lease Information. The rentable area of the Premises specified in the Basic Lease Information is conclusive and binding upon Tenant. Tenant's Share has been computed by dividing the rentable area of the Premises by the total rentable area of the Building. In the event that either the rentable area of the Premises or the total rentable area of the Building is changed or remeasured by Landlord (which Landlord shall have the right to do from time to time), Tenant's Share and the rentable area of the Premises and Building will be appropriately adjusted; and, as to the Tax and Expense Year in which such change occurs, for purposes of this Article 5, Tenant's Share shall be determined on the basis of the number of days during such Tax and Expense Year that each such percentage is applicable.

(b) **Tax and Expense Year** shall mean each twelve (12) consecutive month period commencing July 1st and ending on June 30th of each year or partial year during the Term, provided that Landlord, upon notice to Tenant, may change the Tax and Expense Year from time to time (but not more frequently than once in any twelve (12) month period) to any other twelve (12) consecutive month period and, in the event of any such change, Tenant's Share of Taxes and Expenses shall be equitably adjusted for the Tax and Expense Years involved in any such change.

(c) **Taxes** shall mean all taxes, assessments, fees, impositions, assessments and charges levied (if at all) upon or with respect to the Buildings, Land, or Common Areas, any personal property of Landlord used in the operation of the Building or Common Areas, or Landlord's interest in the Buildings or Common Areas, other than Personal Property Taxes or Possessory Interest Taxes which are the subject of Article 9. Taxes shall

include, without limitation and whether now existing or hereafter enacted or imposed, all general real property taxes, all general and special assessments, all charges, fees and levies for or with respect to transit, housing, police, fire or other governmental or quasi-governmental services or purported benefits to or burdens attributable to the Building or any occupants thereof, all service payments in lieu of taxes, and any tax, fee or excise on the act of entering into this Lease or any other lease of space in the Buildings or any occupants thereof, on the use or occupancy of the Buildings, on the rent payable under any lease or in connection with the business of renting space in the Buildings, that are now or hereafter levied or assessed against Landlord or the Buildings by the United States of America, the State of California, the City of Alameda, or any other political or public entity, and shall also include any other tax, fee or other excise, however described, that may now or hereafter be levied or assessed as a substitute for, or as an addition to, in whole or in part, any other Taxes, whether or not now customary or in the contemplation of the parties on the date of this Lease. Notwithstanding the foregoing, in the event Landlord has the right to elect to have assessments amortized over different time periods, Landlord will elect (or will charge such assessment through to Tenant as if Landlord had so elected) to have such assessment amortized over the longest period permitted by the assessing authority, and only the amortized portion of such assessment (with interest at the lesser of the actual interest rate paid by Landlord or the then maximum rate of interest not prohibited or made usurious by Law) shall be included in Taxes on an annual basis. Taxes shall not include any franchise, transfer or inheritance or capital stock taxes, or any income taxes measured by the net income of Landlord from all sources, unless due to a change in the method of taxation any such taxes are levied or assessed against Landlord as a substitute for, or as an addition to, in whole or in part, any other tax that would otherwise constitute a Tax. Taxes shall also include reasonable legal fees and other costs and disbursements incurred by Landlord in connection with proceedings to contest, determine or reduce Taxes provided, however, that Landlord shall pay to Tenant promptly after receipt by Landlord an amount equal to Tenant's Share of any refunded or recovered Tax previously paid by Tenant.

(d) **Expenses** shall mean all costs of management, operation, maintenance, insuring and repair of the (i) structural elements of the Buildings; (ii) Common Area maintenance; and (iii) any insurance on the Building that Landlord may elect to obtain.

5.2 Determination and Payment of Operating Expenses and Taxes. Tenant shall pay to Landlord as Additional Rent one-twelfth (1/12th) of Tenant's Share of the Taxes and the Expenses for each Tax and Expense Year, or portion thereof, on or before the first day of each month during such Tax and Expense Year, in advance, in an amount estimated by Landlord set forth in an annual statement delivered by Landlord to Tenant; provided that Landlord shall have the right to revise such estimates not more than twice per Tax and Expense Year and Tenant shall thereafter make payments hereunder on the basis of such revised estimates. With reasonable promptness after the end of each Tax and Expense Year, Landlord shall submit to Tenant a statement showing the actual amount which should have been paid by Tenant with respect to Taxes and Expenses for the past Tax and Expense Year, the amount thereof actually paid during that year by Tenant and the amount of the resulting balance due thereof, or overpayment thereof, as the case may be ("**Landlord's Statement**"). Landlord's Statement shall set forth in reasonable detail, and shall contain a line-item breakdown showing at least the following major categories: (i) maintenance and repairs; (ii) landscaping; (iii) utilities (electricity; gas; water and sewer); and (iv) insurance. Any balance shown to be due pursuant to

said statement shall be paid by Tenant to Landlord within thirty (30) days following Tenant's receipt thereof; and any overpayment shall be immediately credited against Tenant's obligation to make monthly payments for Taxes and Expenses for the then current Tax and Expense Year, or, if by reason of any termination of this Lease no such obligation exists, any such overpayment shall be refunded to Tenant. If the Expiration Date shall occur on a date other than the last day of a Tax and Expense Year, Tenant's Share of Taxes and Expenses for the Tax and Expense Year in which the Expiration Date occurs shall be in the proportion that the number of days from and including the first day of the Tax and Expense Year in which the Expiration Date occurs to and including the Expiration Date bears to 365. Where the calculation of Expenses and Taxes for a Tax and Expense Year cannot be made until after expiration or termination of this Lease, the obligation of Tenant to pay its proportionate share as Additional Rent shall survive the expiration or termination hereof and such Additional Rent for such period shall be payable by Tenant upon demand by Landlord.

6. USE; COMPLIANCE WITH LAWS.

6.1 Use. The Premises shall be used for the Permitted Use and for no other use whatsoever. At no time shall Tenant have the right to install, operate or maintain telecommunications or any other equipment on the roof or exterior areas of the Building, except as may be necessary for Tenant's Permitted Use of the Premises and Tenant's installation of such equipment is done in full compliance with Article 10. Tenant acknowledges that neither Landlord nor any agent of Landlord has made any representation or warranty with respect to the Premises, Buildings or with respect to the suitability or fitness of either for the conduct Tenant's business or for any other purpose.

6.2 Compliance with Laws. Tenant shall comply with all laws, ordinances, rules, regulations and codes, of all municipal, county, state and federal authorities, including the Americans With Disabilities Act, as amended, (42 U.S.C. Section 1201 et seq. [the "ADA"]) (collectively, "Laws") pertaining to Tenant's use and occupancy of the Premises and the conduct of its business. Tenant shall be responsible for making all improvements and alterations necessary to bring the Premises into compliance with applicable ADA requirements and to ensure that the Premises remain in compliance throughout the Term of this Lease. Unless such work is necessitated by Tenant's use of the Premises, Landlord shall be responsible for such alterations and improvements as may be necessary to bring the common areas of the Building into compliance. Tenant shall not commit, or suffer to be committed, any waste upon the Premises or any public or private nuisance, or other act or thing which disturbs the quiet enjoyment of any other tenant in the Building, nor shall Tenant store any materials on the Premises which are visible from areas adjacent to the Premises, unless otherwise specifically set forth in this lease. Tenant shall not permit any objectionable odor to escape or be emitted from the Premises and shall ensure that the Premises remain free from infestation from rodents or insects. Tenant shall not do or permit anything to be done on or about the Premises or bring or keep anything into the Premises which will in any way increase the rate of, invalidate, or prevent the procuring of any insurance, protecting against loss or damage to the Buildings or any of its contents by fire or other casualty or against liability for damage to property or injury to person in or about the Buildings.

6.3 Compliance with Restrictions. The Premises are is located on property known as the former Naval Air Station Alameda, which was conveyed to the City by the United States of America, acting by and through the Department of the Navy by a quitclaim deed dated June 4, 2013, recorded June 6, 2013 as Series No. 2013-199810 of Official Records in the Office of the County Recorder, Alameda County, California (“**Quitclaim Deed**”). Said Quitclaim Deed conveyed the Premises subject to certain covenants, conditions, restrictions, easements, and encumbrances as set forth therein. The Premises are further encumbered by those certain restrictions set forth in the Declaration of Restrictions (Former Naval Air Station Alameda) dated June 4, 2013 and recorded June 6, 2013 as Series No.: 2013-199782 in the Office of the County Recorder of Alameda County (“**Declaration of Restrictions**”). Copies of the Quitclaim Deed and Declaration of Restrictions have been delivered to Tenant and, concurrently with the execution of this Lease, Tenant shall sign and return to Landlord the Acknowledgment of Receipt, attached hereto as **Exhibit D**. Use of the Premises is further restricted by the Covenant to Restrict Use of Property Environmental Restriction recorded on June 6, 2013 as Series No. 2013-199839 in the Office of the County Recorder, Alameda County, CA (the “**CRUP**”) the National Environmental Protection Act Record of Decision (“**ROD**”) for the disposal and reuse of the former Naval Air Station Alameda, and all conditions contained therein. A copy of the CRUP and ROD are available for review at Landlord’s office during normal business hours. The covenants, conditions, restrictions, easements, rights-of-way, reservations, rights, agreements, and encumbrances set forth in the Quitclaim Deed, Declaration of Restrictions, the CRUP and the ROD, as they affect the Building, Common Areas or Premises, are collectively referred to herein as the “**Restrictions.**” Any use of the Premises shall comply with the Restrictions and a failure to so comply shall constitute a Default under this Lease.

6.4 Use Permit. Tenant and any of its subtenants shall maintain a City of Alameda Use Permit and other applicable City permits and approvals for the intended use of the Premises (collectively “**Use Permit**”).

7. [INTENTIONALLY OMITTED]

8. UTILITIES.

8.1 Payments for Utilities and Services. Tenant shall contract directly with the providers of, and shall pay all charges for, water, sewer, gas, electricity, heat, cooling, telephone, refuse collection, janitorial, pest control, security and monitoring services furnished to the Premises, together with all related installation or connection charges or deposits (“**Utilities**”). In accordance with California Public Resources Code section 25402.10, Tenant shall, upon written request, promptly provide Landlord with monthly electrical and natural gas (if any) usage data (in either electronic or paper format) for the Premises for the period of time so requested by Landlord. In the alternative, and at Landlord’s option, Tenant shall provide any written authorization or other documentation required by Landlord to request information regarding Tenant’s electrical and natural gas usage data with respect to the Premises directly from the utility company providing electricity and natural gas to the Premises.

8.2 No Liability of Landlord. Except in the case of Landlord’s gross negligence or willful misconduct, in no event shall Landlord be liable or responsible for any loss, damage, expense or liability, including, without limitation, loss of business or any consequential damages,

arising from any failure or inadequacy of any service or Utilities provided to the Premises or Buildings, whether resulting from any change, failure, interference, disruption or defect in supply or character of the service or Utilities provided to the Premises or Buildings, or arising from the partial or total unavailability of the service or utility to the Premises or Buildings, from any cause whatsoever, or otherwise, nor shall any such failure, inadequacy, change, interference, disruption, defect or unavailability constitute an actual or constructive eviction of Tenant, or entitled Tenant to any abatement or diminution of Rent or otherwise relieve Tenant from its obligations under this Lease.

9. PERSONAL PROPERTY AND POSSESSORY INTEREST TAXES.

9.1 Tenant's Tax Obligation. "Taxes" shall mean all taxes, assessments and governmental charges, whether federal, state, county or municipal, and whether general or special, ordinary or extraordinary, foreseen or unforeseen, imposed upon Tenant's personal property or trade fixtures, the Premises, or any possessory interest therein, or their operation, whether or not directly paid by Landlord, but excluding those Taxes paid by Landlord as defined at Section 5.1(c) above.

9.2 Personal Property Taxes. Tenant shall pay all Taxes (as hereinafter defined) levied or imposed against the Premises or Tenant's personal property or trade fixtures placed by Tenant in or about the Premises during the Term ("**Personal Property Taxes**").

9.3 Possessory Interest Taxes. The interest created by this Lease may at some time be subject to property taxation under the laws of the State of California. If property taxes are imposed, the party in whom the possessory interest is vested may be subject to the payment of the taxes levied on such interest. This notice is included in this Lease pursuant to the requirements of section 107.6 (a) of the Revenue and Taxation Code of the State of California.

9.4 Payment. Tenant shall pay the Personal Property Taxes or possessory interest taxes in accordance with the instructions of the taxing entity. Tenant shall pay the Personal Property Taxes, if any, originally imposed upon Landlord, upon Landlord's election, either (a) annually within thirty (30) days after the date Landlord provides Tenant with a statement setting forth in reasonable detail such Taxes, or (b) monthly in advance based on estimates provided by Landlord based upon the previous year's tax bill. All Personal Property Taxes originally imposed upon Landlord and payable by Tenant with respect to the Premises shall be prorated on a per diem basis for any partial tax year included in the Term. Tenant's obligation to pay Taxes during the last year of the Term shall survive the termination of this Lease.

10. ALTERATIONS.

10.1 Landlord Consent Required. Tenant shall not make any alterations, improvements, or additions (each an "**Alteration**") in or about the Premises or any part thereof without the prior written consent of Landlord, which consent may be reasonably conditioned upon criteria and/or requirements deemed necessary by Landlord; provided, however, that Landlord shall have the right in its sole and absolute discretion to withhold its consent to any Alteration which affects the structural components of the Building, including the roof, support structures, foundations, the exterior of the Building and/or the systems serving the Premises or

the Building. Notwithstanding the foregoing, Tenant shall have the right to make Alterations to the Premises with prior written notice to, but without the consent of, Landlord provided that such Alterations (a) do not require the procurement of a building permit, (b) do not affect the structural portion of the Building or the systems serving the Building, (c) are performed below the ceiling and above the raised floor of the Premises, (d) the reasonably estimated costs of the Alterations, together with the costs of any other Alteration made during the immediately preceding twelve (12) months period, do not exceed Ten Thousand Dollars (\$10,000) and, (e) are performed in full compliance with the terms Sections 10.2 through 10.4 below.

10.2 Alterations. Any Alterations to the Premises shall be at Tenant's sole cost and expense, and made in compliance with all applicable Laws and all reasonable requirements requested by Landlord. Prior to starting work, Tenant shall furnish Landlord with plans and specifications (which shall be in CAD format if requested by Landlord); names of contractors reasonably acceptable to Landlord; required permits and approvals; evidence of contractors and subcontractors insurance in amounts reasonably required by Landlord and naming Landlord, the managing agent for the Building and such other persons or entities as Landlord may reasonably request, as additional insureds; and any security for payment in performance and amounts reasonably required by Landlord. In addition, if any such Alteration requires the removal of asbestos, an appropriate asbestos disposal plan, identifying the proposed disposal site of all such asbestos, must be included with the plans and specifications provided to Landlord. Tenant shall reimburse Landlord for any sums paid by Landlord for third party examination of Tenant's plans for Alterations. Landlord agrees to respond to Tenant's request for consent to any Alterations within fifteen (15) days following Tenant's delivery of such request, accompanied by plans and specifications depicting the proposed Alterations ("**Plans**") and a designation of Tenant's general contractor (and major subcontractors) to perform such work. Landlord's response shall be in writing and, if Landlord withholds its consent to any Alterations, Landlord shall specify in reasonable detail in Landlord's notice of disapproval, the basis for such disapproval. If Landlord fails to timely notify Tenant of Landlord's approval or disapproval of any such Plans, Tenant shall have the right to provide Landlord with a second written request for approval (a "**Second Request**") that specifically identifies the applicable Plans and contains the following statement in bold and capital letters: "**THIS IS A SECOND REQUEST FOR APPROVAL OF PLANS PURSUANT TO THE PROVISIONS OF SECTION 10.2 OF THE LEASE. IF LANDLORD FAILS TO RESPOND WITHIN FIVE (5) BUSINESS DAYS AFTER RECEIPT OF THIS NOTICE, THEN LANDLORD SHALL BE DEEMED TO HAVE APPROVED THE PLANS DESCRIBED HEREIN.**" If Landlord fails to respond to such Second Request within five (5) business days after receipt by Landlord, the Plans in question shall be deemed approved by Landlord. If Landlord timely delivers to Tenant a notice of Landlord's disapproval of any Plans, Tenant may revise Tenant's Plans and resubmit such Plans to Landlord; in such event the scope of Landlord's review of such Plans shall be limited to Tenant's correction of the items to which Landlord had previously objected. Landlord's review and approval (or deemed approval) of such revised Plans shall be governed by the provisions as set forth above in this Section 10.2. The procedure set forth above for approval of Tenant's Plans will also apply to any change, addition or amendments to Tenant's Plans. Landlord's approval of an Alteration shall not be deemed a representation by Landlord that the Alteration complies with Law. In addition, Tenant shall pay Landlord a fee for Landlord's oversight and coordination of any Alteration equal to five percent (5%) of the total costs of the Alteration, to the extent the costs of the Alteration is equal to or less than \$100,000; plus four percent (4%) of

the costs of the Alteration to the extent that the costs of the Alteration is in excess of \$100,000, but not more than \$500,000 million; plus three percent (3%) of any portion of the costs of the Alteration in excess of \$500,000. Upon completion, Tenant shall furnish Landlord with at least three (3) sets of "as built" Plans (as well as a set in CAD format, if requested by Landlord) for the Alterations, completion affidavit and full and final unconditional waivers of liens and will cause a Notice of Completion to be recorded in the Office of the Recorder of the County of Alameda. Any Alteration shall at once become the property of Landlord; provided, however, that Landlord, at its option, may require Tenant to remove any Alterations prior to the expiration or sooner termination of this Lease. If Tenant serves a request in writing together with Tenant's request for Landlord's consent to any such Alterations ("**Removal Request**"), Landlord will notify Tenant at the time of Landlord's consent to any such Alterations as to whether Landlord requires their removal. All costs of any Alterations (including, without limitation, the removal thereof, if required) shall be borne by Tenant. If Tenant fails to promptly complete the removal of any Alterations and/or to repair any damage caused by the removal, Landlord may do so and may charge the reasonable costs thereof to Tenant. All Alterations shall be made in a first-class, workmanlike manner and in a manner that will not disturb other tenants, in accordance with Landlord's then-current guideline for construction, and Tenant shall maintain appropriate liability and builders' risk insurance throughout the construction. Tenant shall indemnify, defend, protect and hold Landlord harmless from and against any and all claims for injury to or death of persons or damage or destruction of property arising out of or relating to the performance of any Alterations by or on behalf of Tenant. Under no circumstances shall Landlord be required to pay, during the Term (as the same may be extended or renewed) any and ad valorem or Taxes on such Alterations, Tenant hereby covenanting to pay all such taxes when they become due.

10.3 Excavations. In the event Tenant intends to perform any Alterations requiring excavations below the surface of the Premises (whether inside or outside of the Buildings) or construction of a permanent structure on the Premises, Tenant must determine the actual location of all utilities using standard methods (i.e., potholing, metal fish line, etc.) and submit this information with an application to excavate or application to build a permanent structure to Landlord for approval (which shall also include the approval of other applicable governmental authorities). The application shall include a site plan showing the location of utilities and that construction will not take place above the utility line or within the utility easement, specifically showing that no permanent structure will be constructed in these areas. Tenant shall be responsible for complying with the provisions of the City of Alameda's Marsh Crust Ordinance, as well as the Covenant to Restrict Use of Property Environmental Restrictions recorded June 6, 2013 as Series No. 2013- 199838 of Official Records of the County of Alameda, the Site Management Plan for Alameda Point and, if required, shall obtain a Marsh Crust Permit.

10.4 Liens. Tenant shall pay when due all claims for labor or materials furnished Tenant for use in the Premises. Tenant shall not permit any mechanic liens or any other liens against the Premises, Buildings, Alterations or any of Tenant's interests under this Lease for any labor or materials furnished to Tenant in connection with work performed on or about the Premises by or at the direction of Tenant. Tenant shall indemnify, hold harmless and defend Landlord (by counsel reasonably satisfactory to Landlord) from any liens and encumbrances arising out of any work performed or materials furnished by or at the direction of Tenant. In the event that Tenant shall not, within ten (10) days following the imposition of any such lien, cause

such lien to be released of record by payment or posting of a proper bond, Landlord shall have, in addition to all other remedies provided herein or by law, the right, but not the obligation, to cause the same to be released by such means as it may deem proper, including payment of the claim giving rise to such lien. All such sums paid by Landlord and expenses reasonably incurred in connection therewith, including attorneys' fees and costs, shall be payable to Landlord by Tenant on demand.

11. MAINTENANCE AND REPAIR OF PREMISES.

11.1 Maintenance and Repair by Tenant.

(a) Tenant Maintenance. Tenant shall, at its sole cost and expense, maintain the Premises in good repair and in a neat and clean, first-class condition, including making all necessary repairs and replacements. Tenant's repair and maintenance obligations include, without limitation, repairs to: (i) floor coverings; (ii) interior partitions; (iii) doors; (iv) the interior side of demising walls; (v) fire life safety systems, including sprinklers, fire alarms and/or smoke detectors; (vi) Alterations, described in Article 10; (vii) heating, ventilation and air conditioning (HVAC) systems exclusively serving the Premises; (viii) kitchens; (ix) plumbing and similar facilities exclusively serving the Premises, whether such items are installed by or on behalf of Tenant or are currently existing at the Premises; and (x) telephone and data equipment, and cabling.

(b) Tenant Repair. Tenant shall further, at its own costs and expense, repair or restore any damage or injury to all or any part of the Building caused by Tenant or Tenant's agents, employees, invitees, licensees, visitors or contractors, including but not limited to repairs or replacements necessitated by (i) the construction or installation of improvements to the Premises by or on behalf of Tenant and (ii) the moving of any property into or out of the Premises. If Tenant fails to make such repairs or replacement within fifteen (15) days after notice from Landlord, then Landlord may, at its option, upon prior reasonable notice to Tenant (except in an emergency) make the required repairs and replacements and the costs of such repairs or replacement (including Landlord's administrative charge) shall be charged to Tenant as Additional Rent and shall become due and payable by Tenant with the monthly installment of Base Rent next due hereunder.

11.2 Maintenance and Repair by Landlord. Landlord shall maintain in good repair (a) the structural elements of the Building, including structural elements of exterior walls and foundations; (b) the roof of the Building; and (c) Common Areas (if any) provided such repairs are not necessitated by the actions or inactions of Tenant, Tenant's invitees or anyone in the employ or control of Tenant. Tenant hereby waives any and all rights under and benefits of subsection 1 of Section 1932, and Sections 1941 and 1942 of the California Civil Code or any similar or successor Laws now or hereby in effect. Tenant shall immediately give Landlord written notice of the need for repair of the items for which Landlord is responsible. If Tenant or Tenant's invitees or anyone in the employed or control of Tenant caused any damages necessitating such repair, then Tenant shall pay to Landlord the cost thereof, immediately upon demand therefor. Except as otherwise expressly set forth in this Lease, Tenant waives any right to terminate this Lease or offset or abate Rent by reason of any failure of Landlord to make repairs to the Premises or Building.

12. ENVIRONMENTAL PROTECTION PROVISIONS.

12.1 Hazardous Materials. “**Hazardous Materials**” shall mean any material, substance or waste that is or has the characteristic of being hazardous, toxic, ignitable, reactive, flammable, explosive, radioactive or corrosive, including, without limitation, petroleum, solvents, lead, acids, pesticides, paints, printing ink, PCBs, asbestos, materials commonly known to cause cancer or reproductive harm and those materials, substances and/or wastes, including wastes which are or later become regulated by any local governmental authority, the state in which the Premises are located or the United States Government, including, but not limited to, substances defined as “hazardous substances,” “hazardous materials,” “toxic substances” or “hazardous wastes” in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. §9601, et seq.; the Hazardous Materials Transportation Act, 49 U.S.C. §1801, et seq.; the Resource Conservation and Recovery Act; all environmental laws of the state where the Premises are located, and any other environmental law, regulation or ordinance now existing or hereinafter enacted. “**Hazardous Materials Laws**” shall mean all present and future federal, state and local laws, ordinances and regulations, prudent industry practices, requirements of governmental entities and manufacturer’s instructions relating to industrial hygiene, environmental protection or the use, analysis, generation, manufacture, storage, presence, disposal or transportation of any Hazardous Materials, including without limitation the laws, regulations and ordinances referred to in the preceding sentence.

12.2 Reportable Uses Required Consent. Except as permitted in this Article 12, Tenant hereby agrees that Tenant and Tenant’s officers, employees, representatives, agents, contractors, subcontractors, successors, assigns, subtenants, concessionaires, invitees and any other occupants of the Premises (for purposes of this Article 12, referred to collectively herein as “**Tenant Parties**”) shall not cause or permit any Hazardous Materials to be used, generated, manufactured, refined, produced, processed, stored or disposed of, on, under or about the Premises or Building or transported to or from the Premises or Building without the express prior written consent of Landlord, which consent may be limited in scope and predicated on strict compliance by Tenant with all applicable Hazardous Materials Laws and such other reasonable rules, regulations and safeguards as may be required by Landlord (or any insurance carrier, environmental consultant or lender of Landlord, or environmental consultant retained by any lender of Landlord) in connection with using, generating, manufacturing, refining, producing, processing, storing or disposing of Hazardous Materials on, under or about the Premises or the Building. In connection therewith, Tenant shall, at its own expense, procure, maintain in effect and comply with all conditions of any and all permits, licenses and other governmental and regulatory approvals required for the storage or use by Tenant or any of Tenant Parties of Hazardous Materials on the Premises or the Building, including without limitation, discharge of (appropriately treated) materials or wastes into or through any sanitary sewer serving the Premises or the Building. The foregoing notwithstanding, Tenant may use ordinary and customary materials reasonably required to be used in the course of the Permitted Use, ordinary office supplies (copier, toner, liquid paper, glue, etc.) and common household cleaning materials, so long as such use is in compliance with all Hazardous Materials Laws and does not expose the Premises or neighboring property to any meaningful risk of contamination or damage or expose Landlord to any liability therefor.

12.3 Remediation Obligations. If at any time during the Term, any contamination of the Premises by Hazardous Materials shall occur where such contamination is caused by the act or omission of Tenant or Tenant Parties (“**Tenant’s Contamination**”), then Tenant, at Tenant’s sole cost and expense, shall promptly and diligently remediate such Hazardous Materials from the Premises or the groundwater underlying the Premises to the extent required to comply with applicable Hazardous Materials Laws. Tenant shall not take any required remedial action in response to any Tenant’s Contamination in or about the Premises or enter into any settlement agreement, consent, decree or other compromise in respect to any claims relating to any Tenant’s Contamination without first obtaining the prior written consent of Landlord, which may be subject to conditions imposed by Landlord as determined in Landlord’s sole discretion. Such prior written consent shall not be required to the extent the delay caused by the requirement to obtain consent may increase the damage to the Premises or the risk of harm to human health, safety, the environment or security caused by the Tenant Contamination. Landlord and Tenant shall jointly prepare a remediation plan in compliance with all Hazardous Materials Laws and the provisions of this Lease. In addition to all other rights and remedies of Landlord hereunder, if Tenant does not promptly and diligently take all steps to prepare and obtain all necessary approvals of a remediation plan for any Tenant’s Contamination, and thereafter commence the required remediation of any Hazardous Materials released or discharged in connection with Tenant’s Contamination within thirty (30) days after all necessary approvals and consents have been obtained, and thereafter continue to prosecute such remediation to completion in accordance with the approved remediation plan, then Landlord, at its sole discretion, shall have the right, but not the obligation, to cause such remediation to be accomplished, and Tenant shall reimburse Landlord within fifteen (15) business days of Landlord’s demand for reimbursement of all amounts reasonably paid by Landlord (together with interest on such amounts at the highest lawful rate until paid), when such demand is accompanied by proof of payment by Landlord of the amounts demanded. Tenant shall promptly deliver to Landlord, copies of hazardous waste manifests reflecting the legal and proper disposal of all Hazardous Materials removed from the Premises as part of Tenant’s remediation of any Tenant’s Contamination. The foregoing notwithstanding, “Tenant’s Contamination” shall not refer to or include any Hazardous Materials that were not clearly introduced to the Premises by Tenant or Tenant Parties. As an example, if lead dust or asbestos are found on the Premises, unless there is clear evidence that Tenant introduced those Hazardous Materials to the Premises, those Hazardous Materials shall not be considered “Tenant’s Contamination,” and it shall not be Tenant’s responsibility to take remedial action relating to such Hazardous Materials.

12.4 Environmental Permits. Tenant and Tenant Parties shall be solely responsible for obtaining and complying with, at their cost and sole expense, any environmental permits required for Tenant’s operations under this Lease, independent of any existing permits held by Landlord. Tenant shall not conduct operations or activities under any environmental permit that names Landlord as a secondary discharger or co-permittee. Tenant shall provide prior written notice to Landlord of all environmental permits and permit applications required for any of Tenant’s operations or activities. Tenant acknowledges that Landlord will not consent to being named a secondary discharger or co-permittee for any operations or activities of Tenant, its contractors, assigns or subtenants. Tenant shall strictly comply with any and all environmental permits (including any hazardous waste permit required under the Resource Conservation and Recovery Act or its state equivalent) and must provide, at its own expense, any hazardous waste management facilities complying with all Hazardous Material Laws.

12.5 Landlord's Inspection Right. Landlord shall have the right to inspect, upon reasonable notice to Tenant, the Premises for Tenant's compliance with this Article 12. Landlord normally will give Tenant twenty-four (24) hours' prior notice of its intention to enter the Premises unless it determines the entry is required for exigent circumstances related to health, safety, or security; provided, however, Landlord agree to use its best commercial efforts to provide Tenant with the maximum advance notice of any such entrance and will, without representation or warranty, attempt to structure such entrance in the least intrusive manner possible. Tenant shall have no claim against Landlord, or any officer, agent, employee, contractor or subcontractor of Landlord by reason of entrance of such Landlord officer, agent, employee, contractor or subcontractor onto the Premises.

12.6 Hazardous Materials Handling Plan. Prior to the execution of this Lease, Tenant shall complete, execute and deliver to Landlord an Environmental Questionnaire Disclosure Statement (the "**Environmental Questionnaire**"), in the form of **Exhibit E** attached hereto. To the extent Tenant intends to store, use, treat or dispose of Hazardous Materials on the Premises, Tenant shall prepare and submit together with the Environmental Questionnaire a Hazardous Materials Handling Plan (the "**Hazardous Materials Handling Plan**"). For a period of fifteen (15) days following Landlord's receipt of the Environmental Questionnaire and Hazardous Materials Handling Plan, if applicable, Landlord shall have the right to approve or disapprove such documents. The failure of Landlord to approve such documents shall be deemed Landlord's disapproval thereof. Landlord approval of the Environmental Questionnaire and the Hazardous Materials Handling Plan shall constitute approval for Tenant's use of the Hazardous Materials set forth therein in compliance with Hazardous Materials Laws and the Hazardous Materials Handling Plan. Following approval of the Hazardous Materials Handling Plan, Tenant shall comply therewith throughout the Term. To the extent Tenant is permitted to utilize Hazardous Materials upon the Premises, such use shall be limited to the items set forth in the Environmental Questionnaire, shall comply with Hazardous Materials Laws and the Hazardous Materials Handling Plan and Tenant shall promptly provide Landlord with complete and legible copies of all the following environmental items relating thereto: reports filed pursuant to any self-reporting requirements; permit applications, permits, monitoring reports, workplace exposure and community exposure warnings or notices and all other reports, disclosures, plans or documents relating to water discharges, air pollution, waste generation or disposal, and underground storage tanks for hazardous materials; orders, reports, notices, listing and correspondence of or concerning the release, investigation of, compliance, cleanup, remedial and corrective actions, and abatement of hazardous materials; and all complaints, pleadings and other legal documents filed by or against Tenant related to Tenant's use, handling, storage or disposal of Hazardous Materials. If, in conjunction with Tenant's Permitted Use of the Premises, Tenant desires to commence the use, treatment, storage or disposal of previously undisclosed Hazardous Materials, prior to such usage thereof, Tenant shall notify Landlord thereof, by written summary detailing the scope of such proposed usage and updating the Hazardous Materials Handling Plan to the extent required by such proposed usage. For a period of fifteen (15) days following Landlord's receipt of such notice, Landlord shall have the right to approve or disapprove of such documents. The failure of Landlord to approve of such documents within such time period shall be deemed Landlord's disapproval thereof.

12.7 Hazardous Materials Indemnity. In addition to any other provisions of this Lease, Tenant shall, and does hereby agree, to, indemnify and hold harmless Landlord from any costs,

expenses, liabilities, fines or penalties resulting from discharges, emissions, spills, storage or disposal arising from Tenant's occupancy, use or operations, or any other action by Tenant or its contractors, employees, agents, assigns, invitees, or subtenants giving rise to liability, civil or criminal, or any other action by Tenant or its contractors, employees, agents, assigns, or subtenants giving rise to responsibility under any Hazardous Materials Laws. Tenant's obligations hereunder shall apply whenever Landlord incurs costs or liabilities for Tenant's activities or for the activities of Tenant's contractors, employees, agents, assigns, invitees, or subtenants as provided hereunder. This provision shall survive the expiration or termination of this Lease.

13. ASSIGNMENT AND SUBLETTING.

13.1 Landlord Consent Required. Subject to Sections 13.5 and 13.6 below, Tenant shall not voluntarily or by operation of law, (a) mortgage, pledge, hypothecate or encumber this Lease or any interest therein, (b) assign or transfer this Lease or any interest herein, sublease the Premises or any part thereof or any right or privilege appurtenant thereto, or allow any other person (the employees and invitees of Tenant excepted) to occupy or use the Premises, or any portion thereof, without first obtaining the written consent of Landlord, which consent shall not be withheld unreasonably provided that (i) Tenant is not then in Default under this Lease nor is any event then occurring, with the giving of notice or the passage of time, or both, would constitute a Default hereunder, and (ii) Tenant has not previously assigned or transferred this Lease or any interest herein or subleased the Premises or any part thereof. A transfer of greater than fifty percent (50%) interest (whether stock, partnership interest, membership interest or otherwise) of Tenant, either in one (1) transaction or a series of transaction shall be deemed to be an assignment under this Lease.

13.2 Landlord Recapture. In the event of an assignment of this Lease or subletting of more than twenty percent (20%) of the rentable square footage of the Premises, Landlord shall have the right to recapture the portion of the Premises that Tenant is proposing to transfer. If Landlord exercises its right to recapture, this Lease shall automatically be amended (or terminated if the entire Premises is being assigned or sublet) to delete the applicable portion of the Premises effective on the proposed effective date of the Transfer, although Landlord may require Tenant to execute a reasonable amendment or other document reflecting such reduction or termination.

13.3 Reasonable Consent. If Tenant intends to assign this Lease or sublet the Premises or any part thereof, Tenant shall give Landlord written notice of such intent ("**Transfer Notice**"). Tenant's Transfer Notice shall be accompanied by a copy of the proposed assignment or sublease between Tenant and the proposed assignee or subtenant, together with current and three (3) years' prior financial statements, if available, for the proposed assignee or subtenant, which financial statement shall be prepared in accordance with generally accepted accounting principles. Tenant shall provide Landlord with any additional information or documentation reasonably requested by Landlord within ten (10) business days after receiving Landlord's request. Landlord shall then have a period of thirty (30) days following receipt of such additional information (or 30 days after receipt of Tenant's Transfer Notice if no additional information is requested) within which to notify Tenant in writing that Landlord elects either (a) to exercise its recapture rights in accordance with Section 13.2 in which event Tenant will be

relieved of all further obligations hereunder as to such space as of the date specified in Landlord's notice terminating the Lease with respect to the relevant space, (b) to permit Tenant to assign this Lease or sublet such space as described in the Transfer Notice, subject, however, to prior written consent to the proposed assignment or sublease or (c) deny Tenant's request to assign this Lease or sublet such space. Among other factors upon which Landlord may base a withholding of consent are the following: (i) the use of the Premises by such proposed assignee or subtenant would not be a Permitted Use; (ii) the financial condition of the proposed assignee or subtenant is such that, in Landlord's reasonable determination, it would be unable to perform its obligations under the proposed sublease or assignment; (iii) the portion of the Premises proposed to be sublet is irregular in shape and/or does not permit safe or otherwise appropriate means of ingress and egress, or does not comply with other Laws or regulations; (iv) Landlord or Landlord's agents have negotiated with the proposed assignee or subtenant with regard to the leasing of space at the Property, at any time within the preceding six (6) months; or (v) any other reasonable basis that Landlord may assert.

13.4 Transfer Premium. If Landlord consents to any requested assignment or sublease (each a "**Transfer**") and the assignee or subtenant pays to Tenant an amount in excess of the Rent due under this Lease (after deducting Tenant's reasonable, actual expenses in obtaining such assignment or sublease, such expenses being limited to (a) any Alterations to the subject space made in order to achieve the Transfer, or contributions to the cost thereof, amortized in equal monthly installments over the then remainder of the Term and (b) any commercially reasonable brokerage commissions, reasonable attorneys' fees and reasonable advertising and marketing costs incurred by Tenant in connection with the Transfer) ("**Transfer Premium**"). Tenant shall pay fifty percent (50%) of such Transfer Premium to Landlord as and when the monthly payments are received by Tenant.

13.5 Tenant Affiliates. Notwithstanding anything to the contrary contained in Section 13.1, Tenant may, without obtaining the prior consent of Landlord, and without the payment of any amounts pursuant to Section 13.4, sublet or license the use of all or any part of the Premises or assign this Lease to a Tenant Affiliate, provided that (a) Tenant shall give not less than thirty (30) days' prior written notice thereof to Landlord (to the extent such notice is permitted by applicable Law), (b) Tenant shall continue to be fully obligated under this Lease, and (c) any such assignee or sublessee shall expressly assume and agree to perform all the terms and conditions of this Lease to be performed by Tenant and to use the Premises only for a Permitted Use (but with respect to a sublease, only with respect to that portion of the Premises that is the subject of the sublease and excluding all rental obligations of Tenant hereunder). As used herein, "Tenant Affiliate" means (i) an entity controlling, controlled by or under common control with Tenant, (ii) a successor corporation related to Tenant by merger, consolidation, nonbankruptcy reorganization, or government action, or (iii) a purchaser of substantially all of Tenant's assets located in the Premises; and a party shall be deemed to "control" another party for purposes of the definition contained in the aforesaid clause (i) only if the first party owns more than fifty percent (50%) of the stock or other beneficial interests of the second party or has the power to direct or cause the direction of the management or policy of the second party, or the first and second party share the same, or substantially the same (defined as a majority of directors on the "controlled" entity's board are also on the other entity's board), board of directors. Within five (5) business days of execution of any such sublease or license with a

Tenant Affiliate, Tenants shall deliver to Landlord a copy of the fully executed assignment, sublease or license.

13.6 No Release. No Transfer shall release or discharge Tenant of or from any liability, whether past, present or future, under this Lease, and Tenant shall continue to be fully liable hereunder. Each subtenant or assignee shall agree, in a form reasonably satisfactory to Landlord, to comply with and be bound by all of the terms, covenants, conditions, provisions and agreements of this Lease. The assignment or sublease agreement, as the case may be, after approval by Landlord, shall not be amended without Landlord's prior written consent, and shall contain a provision directing the assignee or subtenant to pay the rent and other sums due thereunder directly to Landlord upon receiving written notice from Landlord that Tenant is in default under this Lease with respect to the payment of Rent. In the event that, notwithstanding the giving of such notice, Tenant collects any rent or other sums from the assignee or subtenant, then Tenant shall hold such sums in trust for the benefit of Landlord and shall immediately forward the same to Landlord. Landlord's collection of such rent and other sum shall not constitute an acceptance by Landlord of attornment by such assignee or subtenant. Tenant shall deliver to Landlord promptly after execution an executed copy of each Transfer and an agreement of compliance by each such subtenant or assignee.

13.7 Expenses and Attorneys' Fees. Tenant shall pay to Landlord all costs and expenses (including without limitation, the fees of Landlord's counsel) incurred in connection Landlord's review and processing of documents regarding any proposed Transfer (which under no circumstances shall be less than \$750 per proposed Transfer).

13.8 Limitations on Transfer Reasonable. Tenant acknowledges and agrees that the restrictions, conditions, and limitations imposed by this Article 13 on Tenant's ability to assign or transfer this Lease or any other interests herein, to sublet the Premises or any part thereof, are, for purposes of California Civil Code Section 1951.4, as amended from time to time, and for all other purposes, reasonable at the time this Lease was entered into and shall be deemed to be reasonable at the time that Tenant seeks to assign or transfer this Lease or any interest herein, to sublet the Premises or any part thereof, or transfer or assign any right or privilege appurtenant to the Premises.

14. INDEMNITY AND WAIVER OF CLAIMS.

14.1 Tenant Indemnification. Tenant shall indemnify, defend and hold Landlord and Landlord Related Parties harmless against and from all liabilities, obligations, damages, penalties, claims, actions, costs, charges, judgment and expenses (including reasonable attorneys' fees, costs and disbursements) (collectively referred to as "**Losses**"), arising from (a) the use of, or any activity done, permitted or suffered in or about the Premises (b) any activity done, permitted or suffered by Tenant or Tenant's agents in or about the Buildings (c) any act, neglect, fault, willful misconduct of Tenant or Tenant's agents, or (d) from any breach or default in the terms of this Lease by Tenant or Tenant's agents, except to the extent such claims arise out of or relate to the gross negligence or willful misconduct of Landlord. If any action or proceeding is brought against Landlord by reason of any such claim, upon notice from Landlord, Tenant shall defend the same at Tenant's expense by counsel reasonably satisfactory to Landlord. As a material part of the consideration to Landlord, Tenant hereby releases Landlord

and its trustees, members, principals, beneficiaries, partners, officers, directors, employees, property managers, Mortgagees and agents (“**Landlord Related Parties**”) from responsibility for, waives its entire claim of recovery for and assumes all risks of (i) damage to property or injury to person in or about the Premises or the Building from any cause whatsoever except to the extent caused by the gross negligence or willful misconduct of Landlord or any Landlord Related Parties, or (ii) loss resulting from business interruption or loss of income at the Premises.

14.2 Waiver of Claims. Except in the event of its own gross negligence or willful misconduct, Landlord shall not be liable to Tenant and Tenant hereby waives all claims against Landlord and Landlord Related Parties for any injury or damage to any person or property occurring or incurred in connection with or in any way relating to the Premises or Building from any cause. Without limiting the foregoing, neither Landlord nor any Landlord Related Party shall be liable for and there shall be no abatement rent for (a) any damage to Tenant’s property stored with or entrusted to any Landlord Related Party, (b) loss of or damage to any property by theft or any other wrongful or illegal act, or (c) any injury or damage to person or property resulting from fire, explosion, falling plaster, steam, gas, electricity, water or rain which may leak from any part of the Premises or Building or from the pipes, appliances, appurtenance or plumbing works thereof or from the roof, street or surface or from any other place or resulting from dampness or any other cause whatsoever or from the acts or omissions of other tenants, occupants or other visitors to the Premises or Building or from any other cause whatsoever, (d) any diminution or shutting off of light, air or view by any structure which may be erected on lands adjacent to the Premises or (e) any latent or other defects in the Premises or the Buildings. Tenant agrees that in no case shall Landlord or any Landlord Related Party be responsible or liable on any theory for any injury to Tenant’s business, loss of profits, loss of income or any other form of consequential damage.

14.3 Survival/No Impairment. The obligations of Tenant under this Article 14 shall survive any termination of this Lease. The foregoing indemnity obligations shall not relieve any insurance carrier of its obligations under any policies required to be carried by either party pursuant to this Lease, to the extent that such policies cover the peril or currents that results in the claims that is subject to the foregoing indemnity.

15. INSURANCE.

15.1 Tenant’s Insurance.

(a) Liability Insurance. Tenant shall maintain in full force throughout the Term, commercial general liability insurance providing coverage on an occurrence form basis with limits of not less than Two Million Dollars (\$2,000,000.00) each occurrence for bodily injury and property damage combined, or such larger amount as Landlord may prudently require from time to time, covering bodily injury and property damage liability and product liability if a product is sold from the Premises. Each policy of liability insurance required by this Section shall: (i) contain a cross liability endorsement or separation of insureds clause; (ii) provide that any waiver of subrogation rights or release prior to a loss does not void coverage; (iii) provide that it is primary to and not contributing with, any policy of insurance carried by Landlord covering the same loss; (iv) provide that any failure to comply with the reporting provisions shall not affect coverage provided to Landlord, its partners, property

managers and Mortgagees; and (v) name Landlord, PM Realty Group L.P. and such other parties in interest as Landlord may from time to time reasonably designate to Tenant in writing, as additional insureds in an Additional Insured Endorsement. Such additional insureds shall be provided at least the same extent of coverage as is provided to Tenant under such policies. The additional insured endorsement shall be in a form at least as broad as endorsement form number CG 20 11 01 96 promulgated by the Insurance Services Office.

(b) Property Insurance. Tenant shall obtain and keep in full force and effect a policy or policies in the name of Landlord, with loss payable to Landlord and to any Mortgagee insuring loss or damage to the Premises and any Alterations constructed by Tenant therein. The amount of such insurance shall be equal to the full insurable replacement costs of the Premises, as the same shall exist from time to time, or the amount required by any Mortgagee, but in no event more than the commercially reasonable and available insurable value thereof. If the coverage is available and commercially appropriate, such policy or policies shall insure against all risks of direct physical loss or damage, including coverage for debris removal and enforcement of any applicable Laws requiring the upgrading, demolition, reconstruction or replacement of any portion of the Premises as a result of a covered loss.

(c) Worker's Compensation Insurance; Employer's Liability Insurance. Tenant shall, at Tenant's expense, maintain in full force and effect during the Term of this Lease, worker's compensation insurance with not less than the minimum limits required by law, and employer's liability insurance with a minimum limit of coverage of One Million Dollars (\$1,000,000.00).

(d) Commercial Pollution Legal Liability. Commercial Pollution Legal Liability Insurance with coverage limits of not less than One Million Dollars (\$1,000,000).

(e) Business Interruption Insurance. Tenant shall, at Tenant's expense, maintain in full force and effect during the Term of this Lease, Business Interruption Insurance with a limit of liability representing loss of at least approximately twelve (12) months of income.

(f) Automobile Liability. Tenant's expense, maintain in full force and effect during the Term of this Lease, Commercial Automobile Liability. Such policy shall be in an amount of not less than One Million Dollars (\$1,000,000) combined singled limit. Such policy of insurance shall be issued by an insurance company authorized to do business in the state of California and rated A-: VII or better in the Best's Key Rating Guide.

15.2 Requirements For All Policies. Each policy of insurance required under Section 15.1 shall: (a) be in a form, and written by an insurer, reasonably acceptable to Landlord, (b) be maintained at Tenant's sole cost and expense, and (c) require at least thirty (30) days' written notice to Landlord prior to any cancellation, nonrenewal or modification of insurance coverage. Insurance companies issuing such policies shall have rating classifications of "A-" or better and financial size category ratings of "VII" or better according to the latest edition of the Best Key Rating Guide. All insurance companies issuing such policies shall be admitted carriers licensed to do business in the state where the Property is located. Any deductible amount under such

insurance shall not exceed \$5,000. Tenant shall provide to Landlord, upon request, evidence that the insurance required to be carried by Tenant pursuant to this Section, including any endorsement affecting the additional insured status, is in full force and effect and that premiums therefor have been paid. Tenant shall, at least thirty (30) days prior to expiration of each policy, furnish Landlord with certificates of renewal thereof and shall provide Landlord with at least thirty days prior written notice of any cancellation or modification. Landlord and Tenant agree, to the extent such waivers are commercially reasonable, to have their respective insurance companies waive any rights of subrogation that such company may have against Landlord or Tenant, as the case may be.

15.3 Certificates of Insurance. Upon execution of this Lease by Tenant, and not less than thirty (30) days prior to expiration of any policy thereafter, Tenant shall furnish to Landlord a certificate of insurance reflecting that the insurance required by this Article is in force, accompanied by an endorsement(s) showing the required additional insureds satisfactory to Landlord in substance and form.

15.4 Landlord's Insurance. During the Term, Landlord may, at its sole and absolute discretion, obtain property insurance covering the Building in amounts not less than the full insurance replacement value thereof (but not on any Alterations or any Tenant's Property) with customary limits and deductibles, together with such other types of insurance coverage, if any, as Landlord, in Landlord's sole discretion, may elect to carry. Tenant acknowledges that, as of the date of this Lease, Landlord carries no such insurance on the Building.

16. DAMAGE OR DESTRUCTION.

16.1 Definitions.

(a) **Premises Partial Damage** shall mean damage or destruction to the improvements on the Premises, other than Tenant's Property (as defined at Section 15.1(b)), or Alterations (as defined at Article 10), which can reasonably be repaired in six (6) months or less from the date of the damage or destruction. Landlord shall notify Tenant in writing within thirty (30) days from the date of the damage or destruction as to whether or not the damage is Partial or Total and the estimated time for repairing said damage. Notwithstanding the foregoing, Premises Partial Damage shall not include damage to windows, doors, and/or other similar items which Tenant has the responsibility to repair or replace pursuant to the provisions of Section 11.1.

(b) **Premises Total Destruction** shall mean damage or destruction to the Premises, other than Tenant's Property (as defined at Section 15.1(b)), or Alterations (as defined at Article 10), which cannot reasonably be repaired in six (6) months or less from the date of the damage or destruction. Landlord shall notify Tenant in writing within thirty (30) days from the date of the damage or destruction as to whether or not the damage is Partial or Total.

(c) **Insured Loss** shall mean damage or destruction to improvements on the Premises, other than Tenant's Property (as defined at Section 15.1(b)), or Alterations (as defined at Article 10), which was caused by an event covered by the insurance

described in Sections 15.1(b) or 15.4 (if any), irrespective of any deductible amounts or coverage limits involved.

(d) **“Replacement Cost”** shall mean the cost to repair or rebuild the improvements owned by Landlord (excluding Alterations) at the time of the occurrence to their condition existing immediately prior thereto, including demolition, debris removal and upgrading required by the operation of Laws governing the Premises, and without deduction for depreciation.

(e) **“Hazardous Material Condition”** shall mean the occurrence or discovery of a condition involving the presence of, or a contamination by, a Hazardous Material as (defined in Section 12.1), in, on, or under the Premises which requires repair, remediation, or restoration.

16.2 Partial Damage - Insured Loss. If a Premises Partial Damage that is an Insured Loss occurs, the proceed from any property insurance shall be assigned to Landlord and Landlord shall repair such damage (but not Tenant’s Property or Alterations) as soon as reasonably possible and this Lease shall continue in full force and effect; provided, however, that Tenant shall, at Landlord’s election, make the repair of any damage or destruction the total cost to repair of which is \$10,000 or less, and, in such event, Landlord shall make any applicable insurance proceeds available to Tenant on a reasonable basis for that purpose. Notwithstanding the foregoing, if the required insurance was not in force or the insurance proceeds are not sufficient to effect such repair, Tenant shall promptly contribute the shortage in proceeds (except as to the deductible which is Tenant’s responsibility) as and when required to complete said repairs. In the event, however, such shortage was due to the fact that, by reason of the unique nature of the improvements, full replacement cost insurance coverage was not commercially reasonable and available, Landlord shall have no obligation to fully restore the unique aspects of the Premises unless Tenant provides Landlord with the funds to cover same, or adequate assurance thereof, within ten (10) days following receipt of written notice of such shortage and request therefor. If Landlord receives said funds or adequate assurance thereof within said ten (10) day period, the party responsible for making the repairs shall complete them as soon as reasonably possible and this Lease shall remain in full force and effect. If such funds or assurance are not so received, Landlord may nevertheless elect by written notice to Tenant within ten (10) days thereafter to: (a) make such restoration and repair as is commercially reasonable with Landlord paying any shortage in proceeds, in which case this Lease shall remain in full force and effect, or (b) have this Lease terminate thirty (30) days thereafter. Tenant shall not be entitled to reimbursement of any funds contributed by Tenant to repair any such damage or destruction. Premises Partial Damage due to flood or earthquake shall be subject to Section 16.3, notwithstanding that there may be some insurance coverage, but the net proceeds of any such insurance shall be made available for the repairs if made by either Party.

16.3 Partial Damage - Uninsured Loss. If a Premises Partial Damage that is not an Insured Loss occurs, unless caused by a negligent or willful act of Tenant (in which event Tenant shall make the repairs at Tenant’s expense), Landlord may either: (a) repair such damage as soon as reasonably possible at Landlord’s expense, in which event this Lease shall continue in full force and effect, or (b) terminate this Lease by giving written notice to Tenant within thirty (30) days after receipt by Landlord of knowledge of the occurrence of such damage. Such

termination shall be effective sixty (60) days following the date of such notice. In the event Landlord elects to terminate this Lease, Tenant shall have the right within ten (10) days after receipt of the termination notice to give written notice to Landlord of Tenant's commitment to pay for the repair of such damage without reimbursement from Landlord. Tenant shall provide Landlord with said funds or satisfactory assurance thereof within thirty (30) days after making such commitment. In such event this Lease shall continue in full force and effect, and Landlord shall proceed to make such repairs as soon as reasonably possible after the required funds are available. If Landlord does not make the required commitment, this Lease shall terminate as of the date specified in the termination notice.

16.4 Total Destruction. Notwithstanding any other provision hereof, if a Premises Total Destruction occurs, this Lease shall terminate sixty (60) days following such Destruction. If the damage or destruction was caused by the gross negligence or willful misconduct of Tenant, Landlord shall have the right to recover Landlord's damages from Tenant.

16.5 Damage Near End of Term. If at any time during the last six (6) months of this Lease Term (or the last 6 months of any Renewal Term) there is damage for which the cost to repair exceeds one month's Base Rent, whether or not an Insured Loss, Landlord may terminate this Lease effective sixty (60) days following the date of occurrence of such damage by giving a written termination notice to Tenant within thirty (30) days after the date of occurrence of such damage. Notwithstanding the foregoing, if Tenant at that time has an exercisable option to extend this Lease or to purchase the Premises, then Tenant may preserve this Lease by (a) exercising such option and (b) providing Landlord with any shortage in insurance proceeds (or adequate assurance thereof) needed to make the repairs on or before the earlier of (i) the date which is 10 days after Tenant's receipt of Landlord's written notice purporting to terminate this Lease, or (ii) the day prior to the date upon which such option expires. If Tenant duly exercises such option during such period and provides Landlord with funds (or adequate assurance thereof) to cover any shortage in insurance proceeds, Landlord shall, at Landlord's commercially reasonable expense, repair such damage as soon as reasonably possible and this Lease shall continue in full force and effect. If Tenant fails to exercise such option and provide such funds or assurance during such period, then this Lease shall terminate on the date specified in the termination notice and Tenant's option shall be extinguished.

16.6 Abatement of Rent. In the event of Premises Partial Damage, Premises Total Destruction or Hazardous Material Condition for which Tenant is not responsible under this Lease, the Rent payable by Tenant for the period required for the repair, remediation or restoration of such damage shall be abated in proportion to the degree to which Tenant's use of the Premises is impaired. All other obligations of Tenant hereunder shall be performed by Tenant, and Landlord shall have no liability for any such damage, destruction, remediation, repair or restoration except as provided herein.

17. CONDEMNATION.

If the whole or if any material part of the Premises or Building is taken or condemned for any public or quasi-public use under either state or federal law, by eminent domain or purchase in lieu thereof (a "Taking"), and (a) such Taking renders the Premises or Building unsuitable, in Landlord's reasonable opinion, for the purposes for which they were

constructed; or (b) the Premises or Building cannot be repaired, restored or replaced at reasonable expense to an economically profitable unit, then Landlord may, at its option, terminate this Lease as of the date possession vests in the condemning party. If twenty-five percent (25%) or more of the Premises is taken and if the Premises remaining after such Taking and any repairs by Landlord would be untenable (in Tenant's reasonable opinion) for the conduct of Tenant's business operations, Tenant shall have the right to terminate this Lease as of the date possession vests in the condemning party. The terminating party shall provide written notice of termination to the other party within thirty (30) days after it first receives notice of the Taking. The termination shall be effective as of the effective date of any order granting possession to, or vesting legal title in, the condemning authority. If this Lease is not terminated, Base Rent shall be appropriately adjusted to account for any reduction in the square footage of the Premises. If only a part of the Premises is subject to a Taking and this Lease is not terminated, Landlord, with reasonable diligence, will restore the remaining portion of the Premises as nearly as practicable to the condition immediately prior to the Taking. Tenant hereby waives any and all rights it might otherwise have pursuant to Section 1265.130 of the California Code of Civil Procedure, or any similar or successor Laws. Landlord shall be entitled to any and all compensation, damages, income, rent, awards or any interest thereon which may be paid or made in connection with any such Taking, and Tenant shall have no claim against Landlord for the value of any expired term of this Lease or otherwise; provided, however, that Tenant shall be entitled to receive any award separately allocated by the condemning authority to Tenant for Tenant's relocation expenses, the value of Tenant's fixture, equipment and personal property (specifically excluding components of the Premises which under this Lease or by law are or at the expiration of the Term will become the property of Landlord, including, without limitations, fixtures and Alterations), or Tenant's loss of business goodwill, provide that such award does not reduce any award otherwise allocable or payable to Landlord.

18. DEFAULT.

18.1 Events of Default. The occurrence of any of the following shall constitute a "Default" by Tenant:

(a) Tenant fails to make any payment of Rent when due, if payment in full is not received by Landlord within five (5) days after written notice that it is past due.

(b) Tenant abandons the Premises as defined in Section 1951.3 of the California Civil Code.

(c) Tenant fails timely to deliver any subordination document or estoppel certificate requested by Landlord within the applicable time period specified hereinbelow.

(d) Tenant violates the restrictions on Transfer set forth in Article 13.

(e) Tenant ceases doing business as a going concern; makes an assignment for the benefit of creditors; is adjudicated an insolvent, files a petition (or files an

answer admitting the material allegations of a petition) seeking relief under any under any state or federal bankruptcy or other statute, law or regulation affecting creditors' rights; all or substantially all of Tenant's assets are subject to judicial seizure or attachment and are not released within thirty (30) days, or Tenant consents to or acquiesces in the appointment of a trustee, receiver or liquidator for Tenant or for all or any substantial part of Tenant's assets.

(f) Tenant fails to perform or comply with any provision of this Lease other than those described in (a) through (e) above, and does not fully cure such failure within fifteen (15) days after notice to Tenant or, if such failure cannot be cured within such fifteen (15) day period, Tenant fails within such fifteen (15)-day period to commence, and thereafter diligently proceed with, all actions necessary to cure such failure as soon as reasonably possible but in all events within ninety (90) days of such notice.

18.2 Remedies. Upon the occurrence of any Default under this Lease, whether enumerated in Section 18.1 or not, Landlord shall have the option to pursue any one or more of the following remedies without any notice (except as expressly prescribed herein) or demand whatsoever. Without limiting the generality of the foregoing, Tenant hereby specifically waives notice and demand for payment of Rent or other obligations, and waives any and all other notices or demand requirements imposed by applicable Law:

(a) Terminate this Lease and Tenant's right to possession of the Premises and recover from Tenant an award of damages equal to the sum of the following:

(i) The Worth at the Time of Award of the unpaid Rent which had been earned at the time of termination;

(ii) The Worth at the Time of Award of the amount by which the unpaid Rent which would have been earned after termination until the time of award exceeds the amount of such Rent loss that Tenant affirmatively proves could have been reasonably avoided;

(iii) The Worth at the Time of Award of the amount by which the unpaid Rent for the balance of the Term after the time of award exceeds the amount of such Rent loss that Tenant affirmatively proves could be reasonably avoided discounted to the then present value;

(iv) Any other amount necessary to compensate Landlord for all the detriment either proximately caused by Tenant's failure to perform Tenant's obligations under this Lease or which in the ordinary course of things would be likely to result therefrom; and

(v) All such other amounts in addition to or in lieu of the foregoing as may be permitted from time to time under applicable law.

The "**Worth at the Time of Award**" of the amounts referred to in parts (i) and (ii) above, shall be computed by allowing interest at the lesser of a per annum rate equal to: (A) the greatest per annum

rate of interest permitted from time to time under applicable law, or (B) the Prime Rate plus 5% as determined by Landlord.

(b) Employ the remedy described in California Civil Code § 1951.4 (Landlord may continue this Lease in effect after Tenant's breach and abandonment and recover Rent as it becomes due, if Tenant has the right to sublet or assign, subject only to reasonable limitations); or

(c) Notwithstanding Landlord's exercise of the remedy described in California Civil Code § 1951.4 in respect of an event or events of Default, at such time thereafter as Landlord may elect in writing, to terminate this Lease and Tenant's right to possession of the Premises and recover an award of damages as provided above.

18.3 No Waiver. The subsequent acceptance of Rent hereunder by Landlord shall not be deemed to be a waiver of any preceding breach by Tenant of any term, covenant or condition of this Lease, other than the failure of Tenant to pay the particular Rent so accepted, regardless of Landlord's knowledge of such preceding breach at the time of acceptance of such Rent. No waiver by Landlord of any breach hereof shall be effective unless such waiver is in writing and signed by Landlord.

18.4 Waiver of Redemption, Reinstatement, or Restoration. Tenant hereby waives any and all rights conferred by Section 3275 of the Civil Code of California and by Sections 1174(c) and 1179 of the Code of Civil Procedure of California and any and all other laws and rules of law from time to time in effect during the Lease Term or thereafter providing that Tenant shall have any right to redeem, reinstate or restore this Lease following its termination as a result of Tenant's breach.

18.5 Remedies Cumulative. No right or remedy herein conferred upon or reserved to Landlord is intended to be exclusive of any other right or remedy, and each and every right and remedy shall be cumulative and in addition to any other right or remedy given hereunder or now or hereafter existing by agreement, applicable Law or in equity. In addition to other remedies provided in this Lease, Landlord shall be entitled, to the extent permitted by applicable Law, to injunctive relief, or to a decree compelling performance of any of the covenants, agreements, conditions or provisions of this Lease, or to any other remedy allowed to Landlord at law or in equity. Forbearance by Landlord to enforce one or more of the remedies herein provided upon an event of Default shall not be deemed or construed to constitute a waiver of such Default.

18.6 Landlord's Right to Perform Tenant's Obligations. If Tenant is in Default of any of its non-monetary obligations under this Lease, in addition to the other rights and remedies of Landlord provided herein, then Landlord may at Landlord's option, but without any obligation to do so and without further notice to Tenant, perform any such term, provision, covenant or condition or make any such payment and Landlord by reason of doing so shall not be liable or responsible for any loss or damage thereby sustained by Tenant. If Landlord performs any of Tenant's obligations hereunder in accordance with this Section 18.6, the full amount of the costs and expense incurred or the payments so made or the amount of the loss so sustained shall be immediately be owed by Tenant to Landlord, and Tenant shall promptly pay to Landlord upon demand, as Additional Rent, the full amount thereof with interest thereon from the day of

payment by Landlord the lower of ten percent (10%) per annum, or the highest rate permitted by applicable law.

18.7 Severability. This Article 18 shall be enforceable to the maximum extent such enforcement is not prohibited by applicable Law, and the unenforceability of any portion thereof shall not thereby render unenforceable any other portion.

19. LIMITATION OF LIABILITY.

Notwithstanding anything to the contrary contained in this Lease, the liability of Landlord (and of any successor landlord) shall be limited to the interest of Landlord in the Building as the same may from time to time be encumbered. Tenant shall look solely to Landlord's interest in the Building for the recovery of any judgment. Neither Landlord nor any Landlord Related Party shall be personally liable for any judgment or deficiency, and in no event shall Landlord or any Landlord Related Party be liable to Tenant for any lost profit, damage to or loss of business or a form of special, indirect or consequential damage. Before filing suit for an alleged default by Landlord, Tenant shall give Landlord and the Mortgagee(s) whom Tenant has been notified hold Mortgages (defined in Article 22 below), notice and reasonable time to cure the alleged default.

20. SURRENDER OF PREMISES.

At the termination of this Lease or Tenant's right of possession, Tenant shall remove Tenant's property including any furniture, fixtures, equipment or cabling installed by or for the benefit of Tenant from the Premises, and quit and surrender the Premises to Landlord, broom clean, and in good order, condition and repair, ordinary wear and tear and damage which Landlord is obligated to repair hereunder excepted. Landlord may, by notice to Tenant not less than sixty (60) days prior to the Expiration Date (except in the event of a termination of this Lease prior to the scheduled Expiration Date, in which event no advance notice shall be required) require Tenant, at Tenant's expense, remove any Alterations (except as otherwise provided at Section 10.2, above) and repair any damage caused by such removal. If Tenant fails to remove any of Tenant's property, or to restore the Premises to the required condition, Landlord, at Tenant's sole cost and expense, shall be entitled (but not obligated) to remove and store Tenant's property and/or perform such restoration of the Premises. Landlord shall not be responsible for the value, preservation or safekeeping of Tenant's property. Tenant shall pay Landlord, upon demand, the expenses and storage charges incurred. If Tenant fails to remove Tenant's property from the Premises or storage, within thirty (30) days after notice, Landlord may deem all or any part of Tenant's property to be abandoned and, at Landlord's option, title to Tenant's property shall vest in Landlord or Landlord may dispose of Tenant's property in any manner Landlord deems appropriate.

21. HOLDING OVER.

If Tenant fails to surrender all or any part of the Premises at the termination of this Lease, occupancy of the Premises after termination shall be that of a tenancy at sufferance. Tenant's occupancy shall be subject to all the terms and provisions of this Lease and Tenant shall pay an amount (on a per month basis without reduction for partial months during the holdover)

equal to 200% of the sum of the Base Rent due for the period immediately preceding the holdover. No holding over by Tenant shall operate to extend the Term. If Tenant does not surrender possession at the end of the Term or sooner termination of this Lease, Tenant shall indemnify and hold Landlord harmless from and against any and all losses or liability resulting from delay in Tenant so surrendering the Premises including, without limitations, any loss or liability resulting from any claim against Landlord made by any succeeding tenant or prospective tenant founded on or resulting from such delay. Any holding over by Tenant with the written consent of Landlord shall thereafter constitute a lease from month to month.

22. MORTGAGES.

22.1 Subordination to Mortgages. Tenant accepts this Lease subject and subordinate to any mortgage(s), deed(s) of trust, ground lease(s) or other lien(s) now or subsequently arising upon the Premises, or Building and any ground lease(s) or other agreements or covenants running with the land now or subsequently arising upon the Building, and to renewals, modifications, refinancing and extensions thereof (collectively referred to as a “**Mortgage**”). The party having the benefit of a Mortgage shall be referred to as a “**Mortgagee**”. This clause shall be self-operative, but upon request from a Mortgagee, Tenant shall, within ten (10) days written request therefor from Landlord, execute a commercially reasonable subordination agreement in favor of the Mortgagee. Landlord shall use commercially reasonable efforts to obtain for Tenant a non-disturbance provision in any such subordination agreement. As an alternative, a Mortgagee shall have the right at any time to subordinate its Mortgage to this Lease. Upon request, Tenant, shall attorn to any successor to Landlord’s interest in this Lease.

22.2 Mortgage Protection. Tenant shall give to any Mortgagee, in accordance with the notice requirements of Article 25 below, at the same time as it is given to Landlord, a copy of any notices of default given to Landlord, provided that, prior to such notice, Tenant has been notified in writing (by way of notice of assignment of rent and leases, or otherwise) of the existence and address of such Mortgagee. Tenant further agrees that, if Landlord shall have failed to cure such default within the time provided for in this Lease, then the Mortgagee shall have an additional reasonable period of time within which to cure such default, or if such default cannot be cured without Mortgagee pursuing its remedies against Landlord, then mortgagee shall have such additional time as may be necessary to commence and complete a foreclosure proceeding. If, in connection with obtaining financing for the Project, or a portion thereof, Landlord’s lender shall request reasonable modifications to this Lease as a condition to such financing, Tenant shall not unreasonably withhold, delay or defer its consent to such modifications, provided that such modifications do not materially adversely affect Tenant’s rights or increase Tenant’s obligations under this Lease.

23. TENANT’S ESTOPPEL CERTIFICATE.

Within ten (10) days after written request therefor, Tenant shall execute and deliver to Landlord, in a form provided by or satisfactory to Landlord, an estoppel certificate stating, that this Lease is in full force and effect, describing any amendments or modifications thereto, acknowledging that this Lease is subordinate or prior, as the case may be, to any Mortgage and stating any other information Landlord may reasonably requests, including the Term, the monthly Base Rent, the date to which Rent has been paid, the amount of any security deposit or

prepaid rent, whether either party hereto is in default under the terms of the Lease, and whether Landlord has completed any construction obligations hereunder. Any such estoppel certificate may be relied upon by any person or entity purchasing, acquiring an interest in or extending finance with respect to the Building, or any part thereof. If Tenant fails to provide such certificate within ten (10) days as herein provided, such failure shall at Landlord's election, constitute a Default and Tenant shall be deemed to have given such certificate as above provided without modification and shall be deemed to have admitted the accuracy of any information supplied by Landlord to a prospective purchaser or mortgagee or deed of trust holder.

24. RELOCATION.

Landlord shall have the right to relocate the entire Premises upon all the following terms, covenants and conditions: (a) Landlord shall have the right to relocate the Premises on not less than ninety (90) days prior written notice given to Tenant at any time during the Term or any extension or renewal thereof; (b) the relocated Premises must be of substantially comparable size to the initial Premises; (c) if Tenant has not occupied the Premises, Landlord shall reimburse Tenant for (i) the necessary and reasonable costs incurred by Tenant in planning for the space of the initial Premises which have been previously improved by Landlord and have no benefit to Tenant's in the relocation Premises and (ii) such other costs as Tenant may incur as a direct result of relocation which have been previously approved by Landlord; (d) if Tenant is occupying the Premises at the time Landlord gives notices of any such relocation, Landlord shall pay the cost of moving Tenant, its property and equipment to the relocated Premises and shall, without cost or expense to Tenant, improve the new Premises with improvements substantially similar to those located in the space Tenant is to vacate; and (e) all of the other terms, covenants, and conditions of this Lease shall remain unchanged and in full force and effect, except that the Basic Lease Information shall be revised (i) to identify the location of the Premises after such relocation; (ii) state the new rentable square feet of the new Premises, Base Rent and Security Deposit relative to the relocated Premises.

25. NOTICE.

All notices shall be in writing and delivered by hand or sent by registered, express, or certified mail, with return receipt requested or with delivery confirmation requested from the U.S. postal service, or sent by overnight or same day courier service at the party's respective Notice Address(es) set forth in the Basic Lease Information ("**Notice Address**"). Each notice shall be deemed to have been received on the earlier to occur of actual delivery or the date on which delivery is refused, or, if Tenant has vacated the Premises or any other Notice Address of Tenant without providing a new Notice Address, 3 days after notice is deposited in the U.S. mail or with a courier service in the manner described above. Either party may, at any time, change its Notice Address (other than to a post office box address) by giving the other party written notice of the new address.

26. LABOR PROVISIONS.

26.1 Equal Opportunity. During the Term of this Lease, and with respect only to employment or employees at the Premises, Tenant agrees as follows:

(a) Tenant will not discriminate against any employee of Tenant or applicant for employment because of race, color, religion, sex or national origin. The employees of Tenant shall be treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, selection for training, including apprenticeship. Tenant agrees to post in conspicuous places, notices to be provided by the applicable government agencies, setting forth the provisions of this nondiscrimination provision.

(b) Tenant will, in all solicitations or advertisements for employees placed by or on behalf of Tenant, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

(c) Tenant will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by Landlord, advising the labor union or worker's representative of Tenant's commitments under this Equal Opportunity Clause and shall post copies of notice in conspicuous places available to employee and applications for employment.

26.2 Convict Labor. In connection with the performance of work required by this Lease, Tenant agrees not to employ any person undergoing a sentence of imprisonment at hard labor.

27. MISCELLANEOUS.

27.1 Governing Law. This Lease shall be interpreted and enforced in accordance with the Laws of the State of California and Landlord and Tenant hereby irrevocably consent to the jurisdiction and proper venue of such state.

27.2 Severability. If any section, term or provision of this Lease is held invalid by a court of competent jurisdiction, all other sections, terms or severable provisions of this Lease shall not be affected thereby, but shall remain in full force and effect.

27.3 Attorneys' Fees. In the event of an action, suit arbitration or proceeding brought by Landlord or Tenant to enforce any of the other's covenants and agreements in this Lease, the prevailing party shall be entitled to recover from the non-prevailing party any costs, expenses (including out of pocket costs and expenses) and reasonable attorneys' fees incurred in connection with such action, suit or proceeding. Without limiting the generality of the foregoing, if Landlord utilizes the services of an attorney for the purpose of collecting any Rent due and unpaid by Tenant or in connection with any other breach of this Lease by Tenant following a written demand of Landlord to pay such amount or cure such breach, Tenant agrees to pay Landlord reasonable actual attorneys' fees for such services, irrespective of whether any legal action may be commenced or filed by Landlord.

27.4 Force Majeure. Whenever a period of time is prescribed for the taking of an action by Landlord or Tenant (other than the payment of Rent), the period of time for the performance of such action shall be extended by the number of days that the performance is actually delayed due to strikes, acts of God, shortages of labor or materials, war, terrorist acts,

pandemics, civil disturbances and other causes beyond the reasonable control of the performing party (“**Force Majeure**”).

27.5 Sale. Landlord shall have the right to transfer and assign, in whole or in part, all of its rights and obligations under this Lease and in the Buildings. Upon transfer, Landlord shall be released from any further obligations hereunder and Tenant agrees to look solely to the successor in interest of Landlord for the performance of such obligations, provided that any successor pursuant to a voluntary, third party transfer (but not as part of an involuntary transfer resulting from a foreclosure or deed in lieu thereof) shall have assumed Landlord’s obligations under this Lease.

27.6 Signs. Tenant shall not place any sign upon the Premises without Landlord’s prior written consent, which consent shall not be unreasonably withheld, conditioned or delayed. All signage shall comply with Landlord’s signage design criteria, as exist from time to time. In addition, any style, size, materials and attachment method of any such signage shall be subject to Landlord’s prior written consent. The installation of any sign on the Premises by or for Tenant shall be subject to the provisions of this Lease. Tenant shall maintain any such signs installed on the Premises. Unless otherwise expressly agreed herein, Landlord reserves the right to installed, and all revenues from the installation of, such advertising signs on the Premises, including the roof, as do not unreasonably interfere with the conduct of Tenant’s business.

27.7 Brokers. Landlord and Tenant each represents and warrants to the other that neither it nor its officers or agents nor anyone acting on its behalf has dealt with any real estate broker except the Broker(s) specified in the Basic Lease Information in the negotiating or making of this Lease. Each party agrees to indemnify and hold harmless the other from any claim or claims, and costs and expenses, including attorneys’ fees, incurred by the indemnified party in conjunction with any such claim or claims of any other broker or brokers to a commission in connection with this Lease as a result of the actions of the indemnifying party. Provided that this Lease is fully executed by the parties hereto, Landlord shall pay a commission to Landlord’s Broker pursuant to a separate written agreement between Landlord and Landlord’s Broker, and Landlord’s Broker shall be responsible for any fee or commission payable to Tenant’s Broker, if any.

27.8 Access by Landlord. In addition to access provided by this Lease, Landlord shall be allowed access to the Premises at all reasonable times throughout the term of this Lease, for any reasonable purpose upon prior written notice to Tenant. Landlord will normally give Tenant a minimum of twenty-four (24) hours prior notice of an intention to enter the Premises, unless the entry is reasonably required on an emergency basis for safety, environmental, operations or security purposes. Tenant shall ensure that a telephone roster is maintained at all times for on-call persons representing Tenant who will be available on short notice, 24 hours a day, 365 days per year, and have authority to use all keys necessary to gain access to the Premises to facilitate entry in time of emergency. Tenant shall ensure that Landlord has a current roster of such on-call personnel and their phone numbers. Tenant shall not change any existing locks, or attach any additional locks or similar devices to any door or window, without providing to Landlord one set of keys therefor. All keys must be returned to Landlord at the expiration or termination of this Lease. Tenant shall have no claim against Landlord for exercise of its rights of access hereunder. Portions of the utilities systems serving the Station may be located within the

Premises. Tenant agrees to allow Landlord and its utility supplier reasonable access to the Premises for operation, maintenance, repair and replacement of these utilities systems as may be required. In executing operation, maintenance, repair or replacement of these systems, Landlord agrees to take commercially reasonable steps to limit interference with the use of the Premises by Tenant.

27.9 Waiver of Right to Jury Trial. Landlord and Tenant waive their respective rights to trial by jury of any contract or tort claim, counterclaim, cross-complaint, or cause of action in any action, proceeding, or hearing brought by either party against the other on any matter arising out of or in any way connected with this Lease, the relationship of Landlord and Tenant, or Tenant's use or occupancy of the Premises, including without limitation any claim of injury or damage or the enforcement of any remedy under any current or future law, statute, regulation, code, or ordinance. Landlord and Tenant agree that this paragraph constitutes a written consent to waiver of trial by jury within the meaning of California Code of Civil Procedure Section 631(f)(2), and Tenant does hereby authorize and empower Landlord to file this paragraph and/or this Lease, as required, with the clerk or judge of any court of competent jurisdiction as a written consent to waiver of jury trial. If the waiver set forth in this Section 27.9 is determined by any court to be invalid because it was executed prior to the commencement of any action, then Landlord and Tenant each covenant and agree to execute and deliver to the other, within five (5) days of a written request by the other, a waiver of the right to trial by jury similar in terms and scope to the waiver set forth in this Section 27.9 at such time following the commencement of such action as such waiver, if then made, would be valid.

27.10 Recordation. Neither this Lease, nor any memorandum, affidavit nor other writing with respect thereto, shall be recorded by Tenant or by anyone acting through, under or on behalf of Tenant without the prior written consent of Landlord, which may be granted or withheld in Landlord's sole and absolute discretion. Any recording thereof in violation of this provision shall make this Lease null and void at Landlord's election.

27.11 Paragraph Titles. The paragraph titles use herein are not to be consider a substantive part of this Lease, but merely descriptive aids to identified the paragraph to which they referred. Use of the masculine gender includes the feminine and neuter, and vice versa.

27.12 Authority. If Tenant is a corporation, partnership, trust, association or other entity, Tenant and each person executing this Lease on behalf of Tenant does hereby covenant and warrant that (a) Tenant is duly incorporated or otherwise established or formed and validly existing under the laws of its state of incorporation, establishment or formation, (b) Tenant has and is duly qualified to do business in California, (c) Tenant has full corporate, partnership, trust, association or other power and authority to enter into this Lease and to perform all Tenant's obligations hereunder, and (d) each person (and all of the persons if more than one signs) signing this Lease on behalf of Tenant is duly and validly authorized to do so. Upon execution hereof and at Landlord's request, Tenant shall provide Landlord with a written certification of its Corporate Secretary or other appropriate authorizing officer or partner attesting that at a duly noticed meeting of its Board of Directors or other governing body a resolution has been unanimously adopted approving Tenant's execution hereof, thereby binding itself to the terms of this Lease and identifying the person(s) authorized to execute this Lease on behalf of Tenant.

27.13 Quiet Possession. Landlord covenants and agrees with Tenant that, upon Tenant's payment of Rent and observing and performing all of the terms, covenants, conditions, provisions and agreements of this Lease on Tenant's part to be observed or performed, Tenant shall have the quiet possession of the Premises throughout the Term.

27.14 Asbestos Notification for Commercial Property Constructed Before 1979. Tenant acknowledges that Landlord has advised Tenant that, because of their age, the Buildings may contain asbestos-containing materials ("ACMs"). If Tenant undertakes any Alterations as may be permitted by Article 10, Tenant shall, in addition to complying with the requirements of Article 10, undertake the Alterations in a manner that avoids disturbing ACMs present in the Building. If ACMs are likely to be disturbed in the course of such work, Tenant shall encapsulate or remove the ACMs in accordance an approved asbestos-removal plan and otherwise in accordance with all applicable Environmental Laws, including giving all notices required by California Health & Safety Code Sections 25915-25919.7.

27.15 Lead Warning Statement. Tenant acknowledges that Landlord has advised Tenant that buildings built before 1978 may contain lead-based paints ("LBP"). Lead from paint, paint chips and dust can pose health hazards if not managed properly. Subject to Article 10 of this Lease, Tenant may at its sole cost and expense, have a state certified LBP Inspector complete a LBP inspection and abatement and provide an abatement certification to Landlord. Landlord has no specific knowledge of the presence of lead-based paint in the Premises.

27.16 OFAC Certification. Tenant represents, warrants and covenants that: (a) Tenant and its principals are not acting, and will not act, directly or indirectly, for or on behalf of any person, group, entity, or nation named by any Executive Order or the United States Treasury Department as a terrorist, "**Specially Designated and Blocked Person**" or other banned or blocked person, entity, nation, or transaction pursuant to any law, order, rule or regulation that is enforced or administered by the Office of Foreign Assets Control; and (b) Tenant acknowledges that the breach of this representation, warranty and covenant by Tenant shall be an immediate Default under the Lease.

27.17 Certified Access Specialist Disclosure. In accordance with Civil Code Section 1938, Landlord hereby discloses that the Premises have not undergone inspection by a Certified Access Specialist for purposes of determining whether the property has or does not meet all applicable construction related accessibility standards pursuant to Civil Code Section 55.53.

27.18 Time of the Essence. Time is of the essence of this Lease and each and all of its provisions.

27.19 Entire Agreement. This Lease contains all of the agreements of the parties hereto with respect to any matter covered or mentioned in this Lease, and no prior agreements or understandings pertaining to any such matter shall be effective for any purpose. No provision of this Lease may be amended or added except by an agreement in writing signed by the parties hereto or their respective successors-in-interest.

27.20 Rules and Regulations. Tenant shall faithfully observe and comply with the non-discriminatory rules and regulations attached hereto as **Exhibit F** and incorporated herein by this

reference, as the same may be modified from time to time by Landlord. Any additions or modifications to those rules shall be binding upon Tenant's upon Landlord's delivery of a copy to Tenant.

27.21 Financial Statement. Within thirty (30) days after Landlord's written request, Tenant shall deliver to Landlord the then current financial statements of Tenant, including a balance sheet and profit and loss statement for the most recent prior year, all prepared in accordance with generally accepted accounting principles consistently applied and shall be certified as accurate in all material respect by an officer of Tenant.

27.22 Relocation Benefits. Tenant acknowledges that upon the expiration or earlier termination of this Lease, for any reason other than a Taking as defined at Article 17, Tenant shall, and hereby does, waive any and all claims for relocation benefits, assistances and/or payments under Government Code Sections 7260 et seq., California Code of Regulations Sections 600 et seq., 42 U.S.C. 4601 et seq., 29 C.F.R. Sections 121 et seq. and 49 C.F.R. Sections 24.1 et seq. (collectively the "**Relocation Assistance Laws**"). Any Relocation of the Premises pursuant to Article 24 of this Lease shall be governed by the terms of said article and not the Relocation Assistance Laws. Tenant further acknowledges and agrees that upon the expiration or earlier termination of this Lease for any reason, other than a Taking as hereinabove defined, no claim shall arise, nor shall Tenant assert any claim for loss of business goodwill (as that term is defined at CCP §1263.510) and no compensation for loss of business goodwill shall be paid by Landlord.

27.23 NAS Historic District. Tenant acknowledges that the Buildings are located within the NAS Alameda Historic District and has been designated as contributing to the Historic District. In granting, denying or conditioning its consent to any Alterations in accordance with Section 10.1 or the placement of any signs in accordance with Section 27.6, Landlord's decision will be guided by the terms and conditions of the City's Historic Preservation Ordinance and other planning and regulatory documents governing properties located within the NAS Alameda Historic District.

27.24 Subdivision and Development of Property. Tenant acknowledges that, without any form of representation or warranty, Landlord (or its successor) may cause the Property to be subdivided or existing parcels to be assembled to facilitate the sale, development or redevelopment of portions of Property which may or may not include those portions of the Property upon which the Buildings, Land and Parking Areas are located. As a material inducement for Landlord to enter into this Lease, Tenant agrees not to take any actions, oral or in writing, in opposition to such activities, or the planning thereof by Landlord (or its successor) unless such activity threatens to materially disrupt Tenant's rights under this Lease.

27.25 Counterparts. This Lease may be executed in multiple counterparts, each of which shall be deemed an original, but all of which, together, shall constitute one and the same instrument.

Landlord and Tenant have executed this Lease as of the day and year first above written.

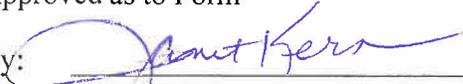
LANDLORD:

City of Alameda,
a charter city and municipal corporation

By: _____
John Russo
City Manager

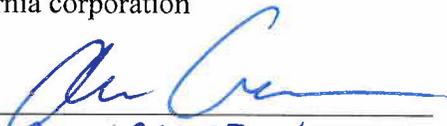
Date: _____

Approved as to Form

By:  _____
Janet Kern
City Attorney

TENANT:

Bay Ship & Yacht, Inc.
a California corporation

By:  _____
Name: ALAN CAMERON
Title: GENERAL MANAGER

Date: 7/14/14

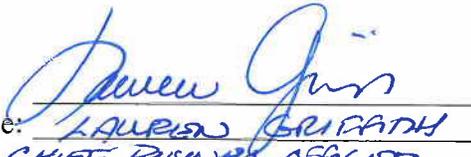
By:  _____
Name: LAUREN GUREVICH
CHIEF BUSINESS OFFICER
Date: 7/14/14

EXHIBIT A-1

PREMISES

EXHIBIT A-1 PREMISES



EXHIBIT A-2

LAND AREA

EXHIBIT A-2 LAND AREA



EXHIBIT A-3

PARKING

EXHIBIT A-3 PARKING AREA



**EXHIBIT B
COMMENCEMENT LETTER**

Date: _____

Re: Lease dated as of July __, 2014, by and between City of Alameda, as Landlord, and Bay Ship & Yacht, Inc., a California corporation, as Tenant, for 2,700 rentable square feet in the Building 292 located at 1450 Ferry Point, Alameda, California.

Dear _____:

In accordance with the terms and conditions of the above referenced Lease, Tenant accepts possession of the Premises and agrees:

1. The Commencement Date of the Lease is _____;
2. The Expiration Date of the Lease is _____.

Please acknowledge your acceptance of possession and agreement to the terms set forth above by signing all 3 counterparts of this Commencement Letter in the space provided and returning 2 fully executed counterparts to my attention.

Sincerely	Agreed and Accepted:
Landlord: City of Alameda	Tenant: Bay Ship & Yacht, Inc.
By: _____	By: _____
Name: _____	Name: _____
Title: Property Manager	Title: _____

[Exhibit Do not sign]

EXHIBIT C
[INTENTIONALLY OMITTED]

EXHIBIT D

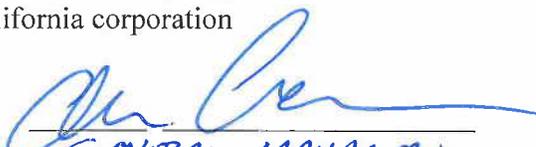
ACKNOWLEDGMENT OF RECEIPT

Pursuant to that certain Lease Agreement entered into by and between City of Alameda, a charter city and municipal corporation ("Landlord") and Bay Ship & Yacht, Inc., a California corporation ("Tenant") dated as of _____, 2014 ("Lease") Tenant hereby acknowledges that Landlord has provided it with copies of the following documents:

- Quitclaim Deed from the United States of America, acting by and through the Department of the Navy to the City of Alameda, dated June 4, 2013, recorded June 6, 2013 as Series No. 2013-199810 of Official Records in the Office of the County Recorder, Alameda County, California ("Quitclaim Deed");
- Declaration of Restrictions (Former Naval Air Station Alameda) dated June 4, 2013, recorded June 6, 2013 as Series No. 2013-199782 in the Office of the County Recorder of Alameda County ("Declaration of Restrictions").

Pursuant to Section 6.3 of the Lease, Tenant acknowledges receipt of the above referenced documents and agrees that its use of the Premises (as defined in the Lease) shall comply with the restrictions set forth in said documents and failure to do so shall constitute a Default under the Lease.

Bay Ship & Yacht, Inc.,
a California corporation

By: 

Its: GENERAL MANAGER

Date: 7/14/14

EXHIBIT E

ENVIRONMENTAL QUESTIONNAIRE

The purpose of this form is to obtain information regarding the use, if any, of hazardous substances in the process proposed on the premises to be leased. Any such use must be approved in writing by Landlord. Prospective tenants should answer the questions in light of their proposed operations on the premises. Existing tenants should answer the questions as they relate to ongoing operations on the premises and should update any information previously submitted. If additional space is needed to answer the questions, you may attach separate sheets of paper to this form.

Your cooperation in this matter is appreciated. Any questions should be directed to, and when completed, the form should be mailed to:

PM Realty Group L.P.
Attn: Property Manager
101 West Atlantic Avenue
Alameda, California 94501
(510) 749-0304; (510) 749-1095 fax

1. General Information.

Name of Responding Company: BAY SHIP & YACHT CO.

Check the Applicable Status: _____

Prospective Tenant Existing Tenant

Mailing Address: 2900 MAIN ST. #2100

ALAMEDA, CA. 94501

Contact Person and Title: CHAD PEDDY

Telephone Number: () (510) 337-9122

Alameda Point Address of Proposed Premises to be Leased: _____

1450 FERRY POINT ROAD, ALAMEDA, CA. 94501

Length of Lease Term: 5 YEARS

Your Standard Industrial Classification (SIC) Code Number: 1799

Describe the proposed operations to take place on the property, including principal products manufactured, services and a brief process flow description to be conducted. Existing tenants should describe any proposed changes to ongoing operations.

SHIP REPAIR CONTRACTOR WITH WELDING & PAINTING TRADES. WORK PERFORMED ONBOARD CUSTOMER VESSELS.

2. Use and/or Storage of Hazardous Materials.

2.1 Will any hazardous materials be used or stored onsite?

Hazardous Wastes Yes No
Hazardous Chemical Products Yes No

2.2 Attach the list of any hazardous materials/wastes to be used, stored, or generated the quantities that will be onsite at any given time, and the location and method of storage (e.g., 55-gallon drums on concrete pad).

2.3 Does your company handle hazardous materials in a quantity equal to or exceeding an aggregate of 500 pounds, 55 gallons, or 200 cubic feet?

Yes No

If yes please provide Material Safety Data Sheets (MSDS) on such materials.

2.4 Has your business filed for a Consolidated Hazardous Materials Permit from the Alameda County Environmental Management Department?

Yes No - NOT REQUIRED FOR OPERATIONS CONDUCTED AT SITE.

If so, attach a copy of the permit application.

2.5 Are any of the chemicals used in your operations regulated under Proposition 65?

Yes No

If so, describe the actions taken, or proposed to be taken, to comply with Proposition 65 requirements.

2.6 Do you store or use or intend to store or use acutely hazardous materials above threshold quantities requiring you to prepare a risk management plan (RMP)?

Yes No

2.7 Describe the procedures followed to comply with OSHA Hazard Communication Standard requirements. ALL EMPLOYEES ARE TRAINED FOR COMPLIANCE WITH MSDS AND GLOBAL HARMONIZATION. EMPLOYEES ARE TRAINED TO ONLY USE CHEMICALS (E.G. PAINTS) OBTAINED DIRECTLY FROM THE MANUFACTURER CONTAINER.

3. Storage Tanks and Pumps.

3.1 Are any above or below ground storage of gasoline, diesel, or other hazardous substances in tanks or pumps being used as a part of your present process or proposed for use on this leased premises?

Yes No

If yes, describe the materials to be stored, and the type, size and construction of the pump or tank. Attach copies of any permits obtained for the storage of such substances. DIESEL TANK, 450 GALLON STEEL, AST WITH SECONDARY CONTAINMENT.

3.2 If you have an above ground storage tank (AST), do you have a spill prevention containment and countermeasures (SPCC) plan?

Yes No Not Applicable

3.3 Have any tanks, pumps or piping at you existing facilities been inspected or tested for leakage?

Yes No Not Applicable
If so, attach the results.

3.4 Have any spills or leaks occurred from such tanks, pumps or piping?

Yes No Not Applicable
If so, describe. _____

3.5 Were any regulatory agencies notified of any spills or leaks?

Yes No Not Applicable

If so, attach copies of any spill reports filed, any clearance letters or other correspondence from regulatory agencies relating to the spill or leak.

3.6 Have any underground storage tanks, sumps or piping been taken out of service or removed at the proposed facility or facilities that you operate?

Yes No Not Applicable

If yes, attach copies of any closure permits and clearance obtained from regulatory agencies relating to closure and removal of such tanks.

4. Spills.

4.1 During the past year, have any spills occurred on any site you occupy?

Yes No Not Applicable

If so, please describe the spill and attach the results of any process conducted to determine the extent of such spills.

4.2 Were any agencies notified in connection with such spills?

Yes No Not Applicable

If no, attach copies of any spill reports or other correspondence with regulatory agencies.

4.3 Were any clean-up actions undertaken in connection with the spills?

Yes No Not Applicable

If so, briefly describe the actions taken. Attach copies of any clearance letters obtained from any regulatory agencies involved and the results of any final soil or

groundwater sampling done upon completion of the clean-up work _____

5. Waste Management.

5.1 Has your business filed a Hazardous Material Plan with the Alameda County Environmental Management Department?

Yes No

5.2 Has your company been issued an EPA Hazardous Waste Generator I.D. Number?

Yes No - NONE REQUIRED FOR OPERATIONS CONDUCTED @ SITE,
If yes: EPA ID# _____

5.3 Has your company filed a biennial report as a hazardous waste generator?

Yes No N/A
If so, attach a copy of the most recent report filed.

5.4 Are hazardous wastes stored in secondary containments?

Yes No N/A

5.5 Do you utilize subcontractors for lighting/electrical, plumbing, HVAC, pest services, landscaping and/or building maintenance services?

Yes No

If yes, do any of these subcontractors store, mix or utilize chemicals on site?

Yes No

If yes, what types and quantities? _____

Attach the list of the hazardous waste, if any, generated or to be generated at the premises, its hazard class and the quantity generated on a monthly basis.

Describe the method(s) of disposal for each waste. Indicate where and how often disposal will take place. ALL WASTE IS PRODUCED ON THE CUSTOMER VESSEL AND STAYS WITH THE VESSEL. ANY OFF SPEC MATERIAL IS BROUGHT TO 2900 MAIN ST. FOR REMITTING UNDER BAYSHIP'S HAZARDOUS WASTE REGULATORY REQUIREMENTS.

Indicate the name of the person(s) responsible for maintaining copies of hazardous waste manifests completed for offsite shipments of hazardous waste. _____

CHAD PEDDY - ESH MANAGER

Is any treatment, processing and recycling of hazardous wastes currently conducted or proposed to be conducted at the premises:

Yes No

If yes, please describe any existing or proposed treatment, processing or recycling methods. _____

Attach copies of any hazardous waste permits or licenses issued to your company with respect to its operations on the premises.

6. Wastewater Treatment/Discharge.

6.1 Will your proposed operation require the discharge of wastewater to (answer Yes or No to each of the following)?

NO storm drain NO sewer
NO surface water NO no industrial discharge

6.2 Does your business have a Sewer Use Questionnaire on file with Alameda County Sanitation District?

Yes No

6.3 Is your wastewater treated before discharge?

Yes No Not Applicable

If yes, describe the type of treatment conducted.

6.4 Does your business conduct operations outside the building or store materials outside?

Yes No Not Applicable

6.5 Do you have a Storm Water Pollution Prevention Plan (SWPPP)?

Yes No Not Applicable

6.6 Does your business have a General Permit for storm water discharge associated with industrial activity?

Yes No Not Applicable

6.7 Does your business operate under a National Pollution Discharge Elimination System (NPDES) Permit?

Yes No Not Applicable

Attach copies of any wastewater discharge permits issued to your company with respect to its operations on the premises.

7. Air Discharges.¹

7.1 Do you have or intend to have any air filtration systems or stacks that discharge into the air?

Yes No

7.2 Do you operate or plan to operate any of the following types of equipment, or any other equipment requiring an air emissions permit (answer Yes or No to each of the following)?

Spray booth	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Dip tank	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Drying oven	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Incinerator	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Other (please describe)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Boiler	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
I/C Engine	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Emergency Backup Generator	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Processes that apply coatings, inks, adhesives or use solvents	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

7.3 Do you emit or plan to emit any toxic air contaminants?

Yes No

7.4 Are air emissions from your operations monitored?

Yes No

If so, indicate the frequency of monitoring and a description of the monitoring results. _____

Attach copies of any air emissions permits pertaining to your operations on the premises. *N/A*

8. Enforcement Actions, Complaints.

8.1 Has your company, within the past five years, ever been subject to any agency enforcement actions, administrative orders, or consent decrees?

Yes No

If so, describe the actions and any continuing compliance obligations imposed as a result of these actions. _____

¹ NOTE: Businesses will have to comply with prohibitory rules regardless of whether they have or need a permit.

8.2 Has your company ever received requests for information, notice or demand letters, or any other inquiries regarding its operations?

Yes No

8.3 Have there ever been, or are there now pending, any lawsuits against the company regarding any environmental or health and safety concerns?

Yes No

8.4 Has any environmental audit ever been conducted at your company's current facility?

Yes No

If so, discuss the results of the audit. YES, INTERNAL AUDITS
ROUTINELY PERFORMED. FULL COMPLIANCE.

8.5 Have there been any problems or complaints from neighbors at the company's current facility?

Yes No

Please describe: _____

The undersigned hereby certifies that all of the information contained in this questionnaire is accurate and correct.

a 

By: CHAD PEDDY

Title: ESH MANAGER

Date: 7/1/14

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. Bay Ship & Yacht, Co. Facility Name Bay Ship & Yacht 292 1450 Ferry Pt, Alameda 94501	Chemical Location Compressed Gas Storage	CERS ID 10460437 Facility ID Status Submitted on 10/15/2013 2:15 PM
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DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	Acetylene CAS No 74-86-2	Cu. Feet State Gas Type Pure Days on Site: 365	990 Storage Container Cylinder	330	400 Pressue > Ambient Temperature Ambient	0 Waste Code - Fire - Reactive - Pressure Release - Acute Health				
DOT: 2.2 - Nonflammable Gases Other	Argon, Gas CAS No 7440-37-1	Cu. Feet State Gas Type Pure Days on Site: 365	672 Storage Container Cylinder	336	336 Pressue > Ambient Temperature Ambient	0 Waste Code - Pressure Release				
DOT: 2.2 - Nonflammable Gases	Carbon Dioxide, Gas CAS No 124-38-9	Cu. Feet State Gas Type Mixture Days on Site: 365	1200 Storage Container Cylinder	600	600 Pressue > Ambient Temperature Ambient	0 Waste Code - Pressure Release - Acute Health - Chronic health	Carbon Dioxide	100 %	124-38-9	
DOT: 2.1 - Flammable Gases Flammable Gas	Propane CAS No 74-98-6	Cu. Feet State Gas Type Pure Days on Site: 365	10 Storage Container Cylinder	5	5 Pressue > Ambient Temperature Ambient	0 Waste Code - Fire - Pressure Release				
DOT: 2.1 - Flammable Gases Flammable Gas	Propylene CAS No 115-07-01	Cu. Feet State Gas Type Pure Days on Site: 365	960 Storage Container Cylinder	480	480 Pressue > Ambient Temperature Ambient	0 Waste Code - Pressure Release				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. Bay Ship & Yacht, Co.	Chemical Location Diesel Storage Tank	CERS ID 10460437
Facility Name Bay Ship & Yacht 292		Facility ID
1450 Ferry Pt, Alameda 94501		Status Submitted on 10/15/2013 2:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 3 - Flammable and Combustible Liquids	Diesel Fuel No. 2	Gallons	450	450	200	0	- Fire - Acute Health	Diesel Fuel	100 %	68475-34-6
Combustible Liquid, Class II	<u>CAS No</u> 68476-34-6	<u>State</u> Liquid	<u>Storage Container</u> Aboveground Tank		<u>Pressure</u> Ambient	<u>Waste Code</u>				
		<u>Type</u> Mixture	Days on Site: 365		<u>Temperature</u> Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. Bay Ship & Yacht, Co.	Chemical Location	CERS ID 10460437
Facility Name Bay Ship & Yacht 292	Paint Storage Locker	Facility ID
1450 Ferry Pt, Alameda 94501		Status Submitted on 10/15/2013 2:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids	Misc. Marine Paint	Gallons	70	5	15	0	- Fire	Epoxy Resins			25068-38-6
Flammable Liquid, Class I-A	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>						
		Liquid	Can		Ambient	<u>Waste Code</u>		Xylene			1330-20-7
		<u>Type</u>			<u>Temperature</u>	461		Flash naptha			64742-95-6
		Mixture	Days on Site: 365		Ambient			Mineral Spirits			8052-41-3
DOT: 3 - Flammable and Combustible Liquids	Paint Thinner	Gallons	15	5	5	0	- Fire	HI Flash naptha			6472-95-6
Combustible Liquid, Class II, Other Health Hazard	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressure</u>						
	8052-41-3	Liquid	Can		Ambient	<u>Waste Code</u>	- Acute Health - Chronic health	Xylene			1330-20-7
		<u>Type</u>			<u>Temperature</u>	461		Butyl Alcohol			71-36-3
		Mixture	Days on Site: 365		Ambient			1,2,4 Trimethyl benzene			95-63-6
								Methyl N-Amyl Ketone			110-43-0

Material Safety Data Sheet



Acetylene

Section 1. Chemical product and company identification

Product name : Acetylene
Supplier : AIRGAS INC., on behalf of its subsidiaries
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253
Product use : Synthetic/Analytical chemistry.
Synonym : acetylen; acetylene ; ethine; ethyne; narycylen
MSDS # : 001001
Date of Preparation/Revision : 5/11/2011.
In case of emergency : 1-866-734-3438

Section 2. Hazards identification

Physical state : Gas.
Emergency overview : WARNING!
FLAMMABLE GAS.
MAY CAUSE FLASH FIRE.
MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
CONTENTS UNDER PRESSURE.
Keep away from heat, sparks and flame. Do not puncture or incinerate container. May cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container closed.
Contact with rapidly expanding gases can cause frostbite.
Target organs : May cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).
Routes of entry : Inhalation
Potential acute health effects
Eyes : Contact with rapidly expanding gas may cause burns or frostbite.
Skin : Contact with rapidly expanding gas may cause burns or frostbite.
Inhalation : Acts as a simple asphyxiant.
Ingestion : Ingestion is not a normal route of exposure for gases
Potential chronic health effects
Chronic effects : May cause target organ damage, based on animal data.
Target organs : May cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).
Medical conditions aggravated by over-exposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

Section 3. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% Volume</u>	<u>Exposure limits</u>
Acetylene	74-86-2	100	NIOSH REL (United States, 6/2009), CEIL: 2662 mg/m ³ CEIL: 2500 ppm

Section 4. First aid measures

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Frostbite** : Try to warm up the frozen tissues and seek medical attention.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : As this product is a gas, refer to the inhalation section.

Section 5. Fire-fighting measures

- Flammability of the product** : Flammable.
- Auto-ignition temperature** : 305°C (581°F)
- Flash point** : Closed cup: -18.15°C (-0.7°F).
- Flammable limits** : Lower: 2.5% Upper: 100%
- Products of combustion** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Fire hazards in the presence of various substances** : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and oxidizing materials.
- Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam or dry chemical.
- In case of fire, allow gas to burn if flow cannot be shut off immediately. Apply water from a safe distance to cool container and protect surrounding area. If involved in fire, shut off flow immediately if it can be done without risk.
- Contains gas under pressure. Flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Shut off gas supply if this can be done safely. Isolate area until gas has dispersed.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling** : Use only with adequate ventilation. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. High pressure gas. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Keep container closed. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Segregate from oxidizing materials. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).

Section 8. Exposure controls/personal protection

- Engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Personal protection**
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
The applicable standards are (US) 29 CFR 1910.134 and (Canada) Z94.4-93
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Personal protection in case of a large spill** : Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product.

Product name

Ethyne

NIOSH REL (United States, 6/2009).

CEIL: 2662 mg/m³

CEIL: 2500 ppm

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Molecular weight** : 26.04 g/mole
- Molecular formula** : C₂-H₂
- Melting/freezing point** : Sublimation temperature: -81.8°C (-115.2 to °F)
- Critical temperature** : 35.3°C (95.5°F)
- Vapor pressure** : 635 (psig)
- Vapor density** : 0.907 (Air = 1)
- Specific Volume (ft³/lb)** : 14.7058
- Gas Density (lb/ft³)** : 0.0691 (-80°C / -112 to °F)

Acetylene

Section 10. Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Extremely reactive or incompatible with the following materials: oxidizing materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Toxicity data

- Chronic effects on humans** : May cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).
- Other toxic effects on humans** : No specific information is available in our database regarding the other toxic effects of this material to humans.
- Specific effects**
- Carcinogenic effects** : No known significant effects or critical hazards.
- Mutagenic effects** : No known significant effects or critical hazards.
- Reproduction toxicity** : No known significant effects or critical hazards.

Section 12. Ecological information

Aquatic ecotoxicity

Not available.

- Products of degradation** : Products of degradation: carbon oxides (CO, CO₂) and water.
- Environmental fate** : Not available.
- Environmental hazards** : This product shows a low bioaccumulation potential.
- Toxicity to the environment** : Not available.

Section 13. Disposal considerations

Product removed from the cylinder must be disposed of in accordance with appropriate Federal, State, local regulation. Return cylinders with residual product to Airgas, Inc. Do not dispose of locally.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN1001	ACETYLENE, DISSOLVED	2.1	Not applicable (gas).		Limited quantity Yes. Packaging instruction Passenger aircraft Quantity limitation: Forbidden. Cargo aircraft Quantity limitation: 15 kg

Acetylene						
TDG Classification	UN1001	ACETYLENE, DISSOLVED	2.1	Not applicable (gas).		Explosive Limit and Limited Quantity Index 0 Passenger Carrying Ship Index 75 Passenger Carrying Road or Rail Index Forbidden Special provisions 38, 42
Mexico Classification	UN1001	ACETYLENE, DISSOLVED	2.1	Not applicable (gas).		-

“Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product.”

Section 15. Regulatory information

United States

U.S. Federal regulations : TSCA 8(a) IUR: Partial exemption
United States inventory (TSCA 8b): This material is listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Ethyne
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
 Ethyne: Fire hazard, reactive, Sudden release of pressure, Immediate (acute) health hazard
Clean Air Act (CAA) 112 accidental release prevention - Flammable Substances:
 Acetylene

State regulations

Clean Air Act (CAA) 112 regulated flammable substances: Ethyne
Connecticut Carcinogen Reporting: This material is not listed.
Connecticut Hazardous Material Survey: This material is not listed.
Florida substances: This material is not listed.
Illinois Chemical Safety Act: This material is not listed.
Illinois Toxic Substances Disclosure to Employee Act: This material is not listed.
Louisiana Reporting: This material is not listed.
Louisiana Spill: This material is not listed.
Massachusetts Spill: This material is not listed.
Massachusetts Substances: This material is listed.
Michigan Critical Material: This material is not listed.
Minnesota Hazardous Substances: This material is not listed.
New Jersey Hazardous Substances: This material is listed.
New Jersey Spill: This material is not listed.
New Jersey Toxic Catastrophe Prevention Act: This material is not listed.
New York Acutely Hazardous Substances: This material is not listed.
New York Toxic Chemical Release Reporting: This material is not listed.
Pennsylvania RTK Hazardous Substances: This material is listed.

Acetylene

Rhode Island Hazardous Substances: This material is not listed.

Canada

WHMIS (Canada)

: Class A: Compressed gas.
Class B-1: Flammable gas.
Class F: Dangerously reactive material.

CEPA Toxic substances: This material is not listed.

Canadian ARET: This material is not listed.

Canadian NPRI: This material is listed.

Alberta Designated Substances: This material is not listed.

Ontario Designated Substances: This material is not listed.

Quebec Designated Substances: This material is not listed.

Section 16. Other information

United States

Label requirements

: FLAMMABLE GAS.
MAY CAUSE FLASH FIRE.
MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
CONTENTS UNDER PRESSURE.

Canada

Label requirements

: Class A: Compressed gas.
Class B-1: Flammable gas.
Class F: Dangerously reactive material.

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		4
Physical hazards		2

National Fire Protection Association (U.S.A.)



Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet



Argon

Section 1. Chemical product and company identification

Product name : Argon
Supplier : AIRGAS INC., on behalf of its subsidiaries
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253
Product use : Synthetic/Analytical chemistry.
Synonym : argon, compressed; Cryogenic Liquid Argon, Liquid Argon
MSDS # : 001004
Date of Preparation/Revision : 5/6/2013.
In case of emergency : 1-866-734-3438

Section 2. Hazards identification

Physical state : Gas. [COLORLESS, ODORLESS INERT GAS OR LIQUID]
Emergency overview : WARNING!
GAS:
CONTENTS UNDER PRESURE.
Do not puncture or incinerate container.
Can cause rapid suffocation.
May cause severe frostbite.
LIQUID:
Extremely cold liquid and gas under pressure.
Can cause rapid suffocation.
May cause severe frostbite.
Do not puncture or incinerate container.
Contact with rapidly expanding gases or liquids can cause frostbite.
Routes of entry : Inhalation
Potential acute health effects
Eyes : Contact with rapidly expanding gas may cause burns or frostbite. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
Skin : Contact with rapidly expanding gas may cause burns or frostbite. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
Inhalation : Acts as a simple asphyxiant.
Ingestion : Ingestion is not a normal route of exposure for gases. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
Medical conditions aggravated by over-exposure : Acute or chronic respiratory conditions may be aggravated by overexposure to this gas.

See toxicological information (Section 11)

Section 3. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% Volume</u>	<u>Exposure limits</u>
Argon	7440-37-1	100	Oxygen Depletion [Asphyxiant]

Section 4. First aid measures

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : None expected.
- Frostbite** : Try to warm up the frozen tissues and seek medical attention.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : As this product is a gas, refer to the inhalation section.

Section 5. Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Products of combustion** : No specific data.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Apply water from a safe distance to cool container and protect surrounding area. If involved in fire, shut off flow immediately if it can be done without risk.
Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Shut off gas supply if this can be done safely. Isolate area until gas has dispersed.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Immediately contact emergency personnel. Stop leak if without risk. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling** : High pressure gas. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.
Never allow any unprotected part of the body to touch uninsulated pipes or vessels that contain cryogenic liquids. Prevent entrapment of liquid in closed systems or piping without pressure relief devices. Some materials may become brittle at low temperatures and will easily fracture.
- Storage** : Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).
For additional information concerning storage and handling refer to Compressed Gas Association pamphlets P-1 Safe Handling of Compressed Gases in Containers and P-12 Safe Handling of Cryogenic Liquids available from the Compressed Gas Association, Inc.

Section 8. Exposure controls/personal protection

Engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

When working with cryogenic liquids, wear a full face shield.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

The applicable standards are (US) 29 CFR 1910.134 and (Canada) Z94.4-93

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Insulated gloves suitable for low temperatures

Personal protection in case of a large spill : Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product.

Product name

argon

Oxygen Depletion [Asphyxiant]

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Molecular weight	: 39.95 g/mole
Molecular formula	: Ar
Boiling/condensation point	: -185.7°C (-302.3°F)
Melting/freezing point	: -189.2°C (-308.6°F)
Critical temperature	: -122.4°C (-188.3°F)
Vapor density	: 1.38 (Air = 1). Liquid Density@BP: 87 lb/ft ³ (1393 kg/m ³)
Specific Volume (ft³/lb)	: 9.70874
Gas Density (lb/ft³)	: 0.103

Section 10. Stability and reactivity

Stability and reactivity : The product is stable.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Toxicity data

Other toxic effects on humans : No specific information is available in our database regarding the other toxic effects of this material to humans.

Specific effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Reproduction toxicity : No known significant effects or critical hazards.

Argon

Section 12. Ecological information

Aquatic ecotoxicity

Not available.

Environmental fate : Not available.

Environmental hazards : No known significant effects or critical hazards.

Toxicity to the environment : Not available.

Section 13. Disposal considerations

Product removed from the cylinder must be disposed of in accordance with appropriate Federal, State, local regulation. Return cylinders with residual product to Airgas, Inc. Do not dispose of locally.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN1006	ARGON, COMPRESSED	2.2	Not applicable (gas).		Limited quantity Yes.
	UN1951	Argon, refrigerated liquid				Packaging instruction Passenger aircraft Quantity limitation: 75 kg Cargo aircraft Quantity limitation: 150 kg
TDG Classification	UN1006	ARGON, COMPRESSED	2.2	Not applicable (gas).		Explosive Limit and Limited Quantity Index 0.125
	UN1951	Argon, refrigerated liquid				Passenger Carrying Road or Rail Index 75 Special provisions 42
Mexico Classification	UN1006	ARGON, COMPRESSED	2.2	Not applicable (gas).		-
	UN1951	Argon, refrigerated liquid				

“Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product.”

Section 15. Regulatory information

United States

U.S. Federal regulations : TSCA 8(a) IUR: argon
United States inventory (TSCA 8b): This material is listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: argon
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: argon: Sudden release of pressure
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : **Connecticut Carcinogen Reporting**: This material is not listed.
Connecticut Hazardous Material Survey: This material is not listed.
Florida substances: This material is not listed.
Illinois Chemical Safety Act: This material is not listed.
Illinois Toxic Substances Disclosure to Employee Act: This material is not listed.
Louisiana Reporting: This material is not listed.
Louisiana Spill: This material is not listed.
Massachusetts Spill: This material is not listed.
Massachusetts Substances: This material is listed.
Michigan Critical Material: This material is not listed.
Minnesota Hazardous Substances: This material is not listed.
New Jersey Hazardous Substances: This material is listed.
New Jersey Spill: This material is not listed.
New Jersey Toxic Catastrophe Prevention Act: This material is not listed.
New York Acutely Hazardous Substances: This material is not listed.
New York Toxic Chemical Release Reporting: This material is not listed.
Pennsylvania RTK Hazardous Substances: This material is listed.
Rhode Island Hazardous Substances: This material is not listed.

Canada

WHMIS (Canada) : Class A: Compressed gas.
CEPA Toxic substances: This material is not listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is not listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

United States

Label requirements : GAS:
CONTENTS UNDER PRESURE.
Do not puncture or incinerate container.
Can cause rapid suffocation.
May cause severe frostbite.
LIQUID:
Extremely cold liquid and gas under pressure.
Can cause rapid suffocation.
May cause severe frostbite.

Canada

Label requirements : Class A: Compressed gas.

Argon

Hazardous Material Information System (U.S.A.) :

Health	0
Flammability	0
Physical hazards	0

liquid:

Health	3
Fire hazard	0
Reactivity	0
Personal protection	C

National Fire Protection Association (U.S.A.) :



liquid:



Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet



Carbon Dioxide

Section 1. Chemical product and company identification

Product name	: Carbon Dioxide
Supplier	: AIRGAS INC., on behalf of its subsidiaries 259 North Radnor-Chester Road Suite 100 Radnor, PA 19087-5283 1-610-687-5253
Product use	: Synthetic/Analytical chemistry.
Synonym	: Carbonic Acid, Carbon Dioxide Liquid, Carbon Dioxide, Refrigerated Liquid, Carbonic Anhydride
MSDS #	: 001013
Date of Preparation/Revision	: 1/20/2012.
In case of emergency	: 1-866-734-3438

Section 2. Hazards identification

Physical state	: Gas or Liquid.
Emergency overview	: WARNING! GAS: CONTENTS UNDER PRESURE. MAY CAUSE RESPIRATORY TRACT, EYE, AND SKIN IRRITATION. CAN CAUSE TARGET ORGAN DAMAGE. Do not puncture or incinerate container. Can cause rapid suffocation. LIQUID: MAY CAUSE RESPIRATORY TRACT, EYE, AND SKIN IRRITATION. CAN CAUSE TARGET ORGAN DAMAGE. Extremely cold liquid and gas under pressure. Can cause rapid suffocation. May cause severe frostbite. Do not puncture or incinerate container. Avoid contact with eyes, skin and clothing. May cause target organ damage, based on animal data. Wash thoroughly after handling. Keep container closed. Avoid breathing gas. Use with adequate ventilation. Contact with rapidly expanding gas, liquid, or solid can cause frostbite.
Target organs	: May cause damage to the following organs: lungs.
Routes of entry	: Inhalation Dermal Eyes
<u>Potential acute health effects</u>	
Eyes	: Moderately irritating to eyes. Contact with rapidly expanding gas may cause burns or frostbite. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
Skin	: Moderately irritating to the skin. Contact with rapidly expanding gas may cause burns or frostbite. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
Inhalation	: Moderately irritating to the respiratory system.
Ingestion	: Ingestion is not a normal route of exposure for gases. Contact with cryogenic liquid can cause frostbite and cryogenic burns.
<u>Potential chronic health effects</u>	
Chronic effects	: May cause target organ damage, based on animal data.
Target organs	: May cause damage to the following organs: lungs.
Medical conditions aggravated by over-exposure	: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

Section 3. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% Volume</u>	<u>Exposure limits</u>
Carbon Dioxide	124-38-9	100	<p>ACGIH TLV (United States, 2/2010). STEL: 54000 mg/m³ 15 minute(s). STEL: 30000 ppm 15 minute(s). TWA: 9000 mg/m³ 8 hour(s). TWA: 5000 ppm 8 hour(s).</p> <p>NIOSH REL (United States, 6/2009). STEL: 54000 mg/m³ 15 minute(s). STEL: 30000 ppm 15 minute(s). TWA: 9000 mg/m³ 10 hour(s). TWA: 5000 ppm 10 hour(s).</p> <p>OSHA PEL (United States, 6/2010). TWA: 9000 mg/m³ 8 hour(s). TWA: 5000 ppm 8 hour(s).</p> <p>OSHA PEL 1989 (United States, 3/1989). STEL: 54000 mg/m³ 15 minute(s). STEL: 30000 ppm 15 minute(s). TWA: 18000 mg/m³ 8 hour(s). TWA: 10000 ppm 8 hour(s).</p>

Section 4. First aid measures

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Frostbite	: Try to warm up the frozen tissues and seek medical attention.
Inhalation	: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	: As this product is a gas, refer to the inhalation section.

Section 5. Fire-fighting measures

Flammability of the product	: Non-flammable.
Products of combustion	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire. Apply water from a safe distance to cool container and protect surrounding area. If involved in fire, shut off flow immediately if it can be done without risk. Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Shut off gas supply if this can be done safely. Isolate area until gas has dispersed.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Immediately contact emergency personnel. Stop leak if without risk. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling** : Wash thoroughly after handling. High pressure gas. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Keep container closed. Avoid contact with skin and clothing. Use with adequate ventilation. Avoid contact with eyes. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement. Never allow any unprotected part of the body to touch uninsulated pipes or vessels that contain cryogenic liquids. Prevent entrapment of liquid in closed systems or piping without pressure relief devices. Some materials may become brittle at low temperatures and will easily fracture.
- Storage** : Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F). For additional information concerning storage and handling refer to Compressed Gas Association pamphlets P-1 Safe Handling of Compressed Gases in Containers and P-12 Safe Handling of Cryogenic Liquids available from the Compressed Gas Association, Inc.

Section 8. Exposure controls/personal protection

- Engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection

- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
When working with cryogenic liquids, wear a full face shield.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
The applicable standards are (US) 29 CFR 1910.134 and (Canada) Z94.4-93
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Insulated gloves suitable for low temperatures
- Personal protection in case of a large spill** : Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Full chemical-resistant suit and self-contained breathing apparatus should be worn only by trained and authorized persons.

Product name

Carbon Dioxide

Carbon dioxide

ACGIH TLV (United States, 2/2010).

STEL: 54000 mg/m³ 15 minute(s).

STEL: 30000 ppm 15 minute(s).

TWA: 9000 mg/m³ 8 hour(s).

TWA: 5000 ppm 8 hour(s).

NIOSH REL (United States, 6/2009).

STEL: 54000 mg/m³ 15 minute(s).

STEL: 30000 ppm 15 minute(s).

TWA: 9000 mg/m³ 10 hour(s).

TWA: 5000 ppm 10 hour(s).

OSHA PEL (United States, 6/2010).

TWA: 9000 mg/m³ 8 hour(s).

TWA: 5000 ppm 8 hour(s).

OSHA PEL 1989 (United States, 3/1989).

STEL: 54000 mg/m³ 15 minute(s).

STEL: 30000 ppm 15 minute(s).

TWA: 18000 mg/m³ 8 hour(s).

TWA: 10000 ppm 8 hour(s).

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Molecular weight	: 44.01 g/mole
Molecular formula	: C-O ₂
Melting/freezing point	: Sublimation temperature: -79°C (-110.2 to °F)
Critical temperature	: 30.9°C (87.6°F)
Vapor pressure	: 830 (psig)
Vapor density	: 1.53 (Air = 1) Liquid Density@BP: Solid density = 97.5 lb/ft ³ (1562 kg/m ³)
Specific Volume (ft ³ /lb)	: 8.7719
Gas Density (lb/ft ³)	: 0.114

Section 10. Stability and reactivity

Stability and reactivity	: The product is stable.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
Carbon dioxide	LC50 Inhalation Gas.	Rat	470000 ppm	30 minutes

IDLH : 40000 ppm

Chronic effects on humans : May cause damage to the following organs: lungs.

Other toxic effects on humans : No specific information is available in our database regarding the other toxic effects of this material to humans.

Specific effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Reproduction toxicity : No known significant effects or critical hazards.

Section 12. Ecological information

Aquatic ecotoxicity

Not available.

Toxicity of the products of biodegradation : not available

Environmental fate : Not available.

Environmental hazards : This product shows a low bioaccumulation potential.

Toxicity to the environment : Not available.

Section 13. Disposal considerations

Product removed from the cylinder must be disposed of in accordance with appropriate Federal, State, local regulation. Return cylinders with residual product to Airgas, Inc. Do not dispose of locally.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN1013 UN2187	CARBON DIOXIDE Carbon dioxide, refrigerated liquid	2.2	Not applicable (gas).		Limited quantity Yes. Packaging instruction Passenger aircraft Quantity limitation: 75 kg Cargo aircraft Quantity limitation: 150 kg
TDG Classification	UN1013 UN2187	CARBON DIOXIDE Carbon dioxide, refrigerated liquid	2.2	Not applicable (gas).		Explosive Limit and Limited Quantity Index 0.125 Passenger Carrying Road or Rail Index 75
Mexico Classification	UN1013 UN2187	CARBON DIOXIDE Carbon dioxide, refrigerated liquid	2.2	Not applicable (gas).		-

“Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product.”

Section 15. Regulatory information

United States

U.S. Federal regulations : TSCA 8(a) IUR: This material is listed or exempted.
United States inventory (TSCA 8b): This material is listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Carbon dioxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Carbon dioxide: Sudden release of pressure, Immediate (acute) health hazard, Delayed (chronic) health hazard

State regulations

: **Connecticut Carcinogen Reporting:** This material is not listed.
Connecticut Hazardous Material Survey: This material is not listed.
Florida substances: This material is not listed.
Illinois Chemical Safety Act: This material is not listed.
Illinois Toxic Substances Disclosure to Employee Act: This material is not listed.
Louisiana Reporting: This material is not listed.
Louisiana Spill: This material is not listed.
Massachusetts Spill: This material is not listed.
Massachusetts Substances: This material is listed.
Michigan Critical Material: This material is not listed.
Minnesota Hazardous Substances: This material is not listed.
New Jersey Hazardous Substances: This material is listed.
New Jersey Spill: This material is not listed.
New Jersey Toxic Catastrophe Prevention Act: This material is not listed.
New York Acutely Hazardous Substances: This material is not listed.
New York Toxic Chemical Release Reporting: This material is not listed.
Pennsylvania RTK Hazardous Substances: This material is listed.
Rhode Island Hazardous Substances: This material is not listed.

Canada

WHMIS (Canada)

: Class A: Compressed gas.
CEPA Toxic substances: This material is listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is not listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

United States

Label requirements

: GAS:
CONTENTS UNDER PRESURE.
MAY CAUSE RESPIRATORY TRACT, EYE, AND SKIN IRRITATION.
CAN CAUSE TARGET ORGAN DAMAGE.
Do not puncture or incinerate container.
Can cause rapid suffocation.
LIQUID:
MAY CAUSE RESPIRATORY TRACT, EYE, AND SKIN IRRITATION.
CAN CAUSE TARGET ORGAN DAMAGE.
Extremely cold liquid and gas under pressure.
Can cause rapid suffocation.
May cause severe frostbite.

Canada

Label requirements

: Class A: Compressed gas.