

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE
PAGE OF PAGES
1 2

2. AMENDMENT/MODIFICATION NO. 0014
3. EFFECTIVE DATE 09 Feb 2004
4. REQUISITION/PURCHASE REQ. NO. W25PHS31710862
5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
7. ADMINISTERED BY (If other than Item 6) CODE

US Army Engineers, Philadelphia
Wanamaker Building, 100 Penn Square East
Contracts Branch, Room 643
Philadelphia, Pennsylvania 19107-3390

US Army Engineers, Philadelphia
Wanamaker Building, 100 Penn Square East
Philadelphia, Pennsylvania 19107-3390
Jennifer McGivern, Contracts Branch 215-656-6773

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
9A. AMENDMENT OF SOLICITATION NO. (✓) DACA61-03-R-0009
9B. DATED (SEE ITEM 11) (X) 07 July 2003
10A. MODIFICATION OF CONTRACTS/ORDER NO.
10B. DATED (SEE ITEM 13)
CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
DESIGN/BUILD AIR FREIGHT TERMINAL FACILITY, DOVER AIR FORCE BASE, DELAWARE, STEP (PHASE) TWO

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (✓) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
- C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
- D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THIS AMENDMENT EXTENDS THE STEP (PHASE) TWO PROPOSAL DUE DATE TO 05 MARCH 2004 at 1:00 PM.

(CONTINUED ON NEXT PAGE)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR
15C. DATE SIGNED
16B. UNITED STATES OF AMERICA
16C. DATE SIGNED
BY (Signature of person authorized to sign) (Signature of Contracting Officer)

14. DESCRIPTION OF AMENDMENT (continued)

a. SECTION 00800 SPECIAL CONTRACT REQUIREMENTS: Make the following pen and ink change: SCR-18 change the designation of the last paragraph from “a” to “c”.

b. SPECIFICATIONS:

- 1) Section 00110 – Delete pages 5 thru 7 in their entirety and substitute revised pages 5 thru 7, annotated Amendment No. 0014 attached hereto.
- 2) Section 01010, Part I – Delete Part I in its entirety and substitute revised Part I, pages 1 thru 5 annotated Amendment No. 0014 attached hereto.
- 3) Section 01010, Chapter D21:
 - a. Delete page 1 in its entirety and substitute revised page 1 annotated Amendment No. 0014 attached hereto.
 - b. Add new pages 3 thru 21, entitled “Attachment 1 – Dover Air Force Base Drinking Water Surveillance (Main Base) – SUMMARY OF SAMPLE RESULTS” to Chapter D21 annotated Amendment No. 0014 attached hereto.
- 4) Section 01010, Chapter D24 – Delete page 1 in its entirety and substitute revised page 1 annotated Amendment No. 0014 attached hereto.
- 5) Section 01010, Chapter E12, “Cover Purchase Description For An Air Cargo Handling System For The New Air Freight Terminal At Dover Air Force Base, Delaware”:
 - a. Delete page 11 in its entirety and substitute revised page 11 annotated Amendment No. 0014 attached hereto.
 - b. Make the following pen and ink change to Paragraph 3.1.9.6: Add the following to the paragraph: “The input terminal shall be a live roller conveyor like the Lift Transfer Conveyor, the only difference is that it shall not have a lift and a lift pit. All other controls shall be the same.”

c. Please indicate receipt of this amendment on Standard Form 1442 (SOLICITATION, OFFER, AND AWARD) as Amendment No. 0014. Failure to acknowledge all amendments may be cause for rejection of the proposal.

Statement of Compliance:

This offeror hereby certifies that all items submitted in this proposal comply with the solicitation requirements. The criteria specified in Solicitation No. DACA61-03-R-0009, Step 2 are binding contract criteria and in case of any conflict after award, between DACA61-03-R-0009 and the contractor's proposal, the solicitation criteria shall govern unless there is a written and signed agreement between the contractor and the Government waiving a specific requirement.

1.5 Format

The Step 2 Proposal shall contain:

(Volume I) (Technical):

- a. Title Page, including the title of the solicitation, solicitation number, and date of submittal
- b. Table of Contents
- c. Compliance Statement
- d. Specific Information for Evaluation as described in paragraph 3, below.

(Volume 2) - (Pre Forma Requirements):

- e. Completed Standard Form (SF) 1442 and Bid Guarantee.
- f. Completed Section 00010 - bid schedule and completed price breakdown. The price breakdown form is attached to the end of this section. Submit both in a sealed envelope marked "Price Information" separate from all other documents submitted.
- g. Sub-Contracting Plan and Pre-Award Survey
- h. **Computation Sheet - "Percent of Self-Performed Work" from Section 00800, SCR-2.**

1.6 Envelopes

Proposal submission envelopes and/or boxes shall be marked:

Date of Opening: _____

Time of Opening: _____

Proposal for: DACA61-03-R-0009, Step 2

ATTN: CENAP-CT-C

1.7 Copies to be Submitted (In addition to the originals)

- a. **Volume I - 5 copies**
- b. **Volume 2 - 5 copies**

1.8 Submittal of Proposals

Offerors shall submit their proposals to the U. S. Army Corps of Engineers-Philadelphia District, ATTN: CENAP-CT-C, Wanamaker Building, 100 Penn Square East, Room #643, Philadelphia, PA 19107-3390, no later than the time and date specified on Standard Form 1442, Block 13, for Step 2.

1.9 Incurring Costs

The Government is not liable for any costs incurred by the Offeror submitting an offer in response to this solicitation.

2.0 EVALUATION PROCESS

2.1 Proposal Compliance Review

This review will assure that all required forms and certifications are complete. Offerors are advised that the evaluation and rating of all proposals will be conducted in strict confidence.

Step 2 Evaluation Factors: The evaluation process will be the evaluation of each offeror's technical proposal, to include selected construction subcontractor relevant experience and past performance, and cost/price proposals. Overall technical rating, to include Step 1 rating, is approximately equal in importance to cost/price.

Possible ratings for each factor are:

- a. Excellent
- b. Above Average
- c. Average
- d. Below Average
- e. Noncompliant

Ratings for each factor are described in paragraph 4, below.

2.2 Miscellaneous

The Government reserves the right to reject any or all proposals at any time prior to award, to negotiate with Step 2 offerors in the competitive range, and to award a contract to the Step 2 offeror with the most advantageous proposal, cost/price and other factors considered. Offerors are advised that it is the intent of the Government that an award will be made without discussions. However, the Government reserves the right to hold discussions if it determines that discussions are necessary. Therefore, proposals should be submitted on the most favorable terms that the offeror is able to submit. Offerors should NOT assume that they will be contacted or afforded an opportunity to clarify, discuss or revise their proposals. After Step 2 proposals have been evaluated, the trade-off process found in FAR 15.101-1 may be used by the Source Selection Authority (SSA) to

make the award decision. This process permits tradeoffs among cost or price and no-cost factors that allow the Government to accept other than the lowest priced proposal if the perceived benefits merit the additional costs. It is the intent of the Government to award a contract to the offeror offering the most advantageous proposal to the Government considering that the Step 1 and Step 2 evaluation factors, when combined, are equal in importance to cost/price.

See paragraph 4.0 for details of the evaluation process.

3.0 Step 2 - PROPOSAL SUBMISSION REQUIREMENTS

3.1 Technical: See attached checklist and Section 01010 for detailed submission requirements. In the technical volume of your offer clearly identify with the checklist number where you are submitting information on each submission requirement.

3.2 Design and Construction Schedule: a bar chart with a narrative explanation of what occurs in each phase is acceptable. Schedule shall include durations of each design and the construction sequencing.

3.3 Selected Key Subcontractor Relevant Experience

Subcontractor's relevant experience shall be submitted using the attached Project Experience Form. The form should be reproduced for each project submitted. Additional lines may be added if required. If a project is currently under construction, annotate percent of completion on the form. Information provided on the Project Experience Form will be evaluated for this Factor and will also be used to support the evaluation of subcontractors' Past Performance. Offerors are invited, but not required, to submit photographs of especially successful projects in conjunction with this requirement.

The offeror shall demonstrate relevant experience by the physical completion and client acceptance of at least 3, but not more than 6, relevant projects completed within the past ten years. Do not submit more than a total of six completed and/or in-progress projects. To be considered relevant, these projects should demonstrate experience with new construction of cargo/freight handling facilities and in particular air cargo/freight. Proposals shall include at least the following:

- a) Subcontractor's name and Prime Offeror's name
- b) Project Name and Location
- c) Scope and Relevance
- d) Award Amount and Completion Amount
- e) Original and Final Contract Duration's and Completion Dates
- f) Performance Rating
- g) Project Owner and Point of Contact Information
- h) Role of Subcontractor in Project
- i) Success in Commissioning the Project

3.4 Selected Subcontractors' Past Performance

Information listed on the attached Past Performance Evaluation Questionnaire is required from owners of past and in-progress projects.

PROGRAM SUMMARY

A. Background:

1. The U.S. Army Corps of Engineers, Philadelphia District (CENAP) has been requested by the Air Mobility Command (AMC), U.S. Air Force to procure a design-build contract and perform design and construction oversight for a new Air Freight Terminal (AFT) at Dover AFB. The existing AFT was severely damaged due to heavy snow in February 2003, is old (circa 1950), and cannot be economically upgraded to meet the current and future needs of the Air Mobility Command (AMC). The existing facility must remain in operation during the construction of the new AFT; therefore, the design shall address a sequence of construction approach to provide efficient operation of the facility from minimal activity to peak activity. **Most utilities enter the existing Air Freight Terminal under or near Bay 0, which is the first Bay to be demolished. Prior to demolition of Bay 0 the contractor shall provide for temporary utility service, from contractor selected and Government approved tie in points to the existing Base utility lines or via contractor furnished temporary utility services, to the remainder of the existing Air Freight Terminal until vacated by the Air Force at the time that the new Air Freight Terminal is complete.** Initial sequence of work shall include the administration areas, import/export bays, hazardous materials storage, ALOC/Code "J" dock, supporting Mechanized Material Handling System (MMHS) and utilities, demolition of existing buildings indicated on site plans and demolition of Bay O of the existing AFT (Building 505) along with the associated covered loading docks on the flight line side. Once the above work is complete and the Air Force moves operations out of the existing AFT (into the new AFT and selected temporary facilities), demolition of remainder of existing AFT and complete construction of new AFT, which includes the outsized cargo, freight transfer, defense courier service, and cargo deployment facilities shall be performed. A design-build approach via unrestricted advertisement was selected in terms of completing design and construction.

B. Basic Function:

1. This project includes the design and construction of a new 371,490 SF Air Freight Terminal (AFT) at Dover Air Force Base (AFB) which consists of the following. The above square footage includes the options outlined in paragraphs B.3 and B.4, below.
 - a. Cargo processing bays, including refrigerated storage area and packing and crating area.
 - b. Operations center and administrative space.
 - c. Covered storage.

- d. Special Handling Area for hazardous materials storage.
 - e. Truck parking areas and traffic lanes (partly on existing pavement).
 - f. K loader traffic lanes and marshalling yard (partly on existing pavement).
 - g. Structure shall be steel frame with reinforced concrete foundation, concrete floor slab (portions at grade and portions elevated for tractor-trailers), masonry and metal siding exterior walls, finishes and sloped standing seam metal roof.
 - h. Truck dock equipment (truck and dock levelers).
 - i. Privately Owned Vehicle (POV) parking areas, driveways, pedestrian access to facilities, AT/FT barriers (curb and post tension cables for security), truck guard house/check-in area, deceleration lane, etc. See Concept Site Plan for more information.
2. Project also includes:
- a. Demolition of Outdoor Aircraft Wash Rack (Facility #66223). Construction of a new facility between Buildings 706 and 711 using "as built" of the original facility.
 - b. Demolition of the existing Oil/water Separator and Lift Station (1,430 sf) (Facility #583). Construction of a new facility at a new site North of Hangar 706. New facility shall have same capacity as #583, but shall be designed and constructed to meet all codes.
 - c. Demolition of the existing Marshalling Yard Facility (1,216 sf) (Facility #581). This function shall be incorporated into the new AFT. This function in the new AFT is renamed as Cargo Development Facility.
 - d. Demolition of the existing Mobility Processing Facility (40,855 sf) (Facility #582), including the modular buildings housed inside the facility.
 - e. Demolition of the existing C-5 Parts Store (7,289 sf) (Facility #585) Building's function to be re-located to Building Number 515 by others.
 - f. Demolition of the existing Ramp Services Office (1,830 sf) (Facility #506). This function shall be incorporated into new AFT.
 - g. Demolition of the existing Fire Station (15,645 sf) (Facility #510).

- h. Demolition of the existing vacant Storage Facility (436 sf) (Facility #504).
 - i. Demolition of the existing pavilion (Facility #67585). Construction of a new facility at a new site, similar in design to the existing pavilion, shall be performed by others.
 - j. Demolition of the existing Air Freight Terminal (398,317 sf) (Facility #505). This facility shall be demolished in phases as outlined in Part I, paragraph A.1 of this Section 01010. The demolition also includes the existing ETVs and racking and conveying systems, modular trailer buildings, and the existing 10 ton and 35 ton bridge cranes. Demolition of Bays 1-5 shall be an option. See paragraphs B.4, below.
 - k. **Relocation of existing utilities, to remain, as needed. Specifically there is a 24 inch storm sewer line under the site of the new AFT. This line shall be relocated as necessary so as not to pass under the new AFT. Base policy is that utilities do not run under buildings**
3. The furnish and installation of the Mechanized Material Handling System (MMHS), also referred to as the Air Cargo Handling System, are options to the Contract. Refer to the Price Schedule in Section 00010.
- a) Two (2) manless elevating transfer vehicles (ETV),
 - b) Four (4) level pallet storage system, including the exterior enclosure.
 - c) Multi-pallet ETV with two (2) level multi-pallet train storage system,
 - d) Staging dock conveyers,
 - e) Pallet lifts with scales.
 - f) Powered and gravity roller conveyor systems,
 - g) One (1) 35 ton bridge crane, and one (1) 10 ton crane, and
 - h) Small package conveyor line.
4. The construction of the Outsized Cargo Facility, along with Cargo Deployment, Freight Transfer and Defense Courier Service (DCS) Facilities is an option(s) to the contract. Refer to Price Schedules in Section 00010.
- a. DCS design drawings and scope are located in Appendices K and M, respectively. The documents in these appendices were prepared for a stand-alone building. The DCS facility shall be consolidated as one

structure with the Outsized Cargo, Cargo Deployment and Freight Transfer Facilities, as shown on Drawing A1.03 in Appendix J of this RFP.

C. SPACES

1. Interior Spaces: The project includes spaces of the following types:
 - a. Cargo Processing
 - b. Sensitive Compartmented Information Facilities (SCIF): Two separate SCIFs are used to build pallets, one in the Freight Transfer Facility (FTF) and one in the Defense Courier Service Facility (DCS). In addition, the FTF requires an administrative SCIF where classified communications equipment is operated. The DCS SCIF design criteria is attached as Appendix M of this RFP, along with reference drawings for a stand-alone DCS facility in Appendix K. FTF SCIF design criteria is specified in Section 01010 – Chapter C-17A. There is also SCIF Room in the Special Handling Area. This criteria is specified in Section 01010 – Chapter C17B.
 - c. Hazardous materials storage area.
 - d. Air Terminal Operations and Administrative space
 - e. Occupant Services: Spaces for toilets, eating, and resting (lounges).
 - f. Storage: Rooms devoted to storage, including closets, and storage rooms.
 - g. Circulation: Spaces functioning as corridors, stairs, and ramps.
 - h. Building Services: Spaces for service sinks, and maintenance equipment.
 - i. Utility Equipment: Spaces for mechanical equipment, electrical equipment, communications equipment (shall have separate HVAC controls to allow for heating and cooling year round), elevator equipment , and centralized heating, ventilating, air-conditioning and exhaust equipment and controls and space for heating and cooling.
2. Exterior Spaces:
 - a. Covered Storage Area
 - b. Outdoor Building Services: Spaces for trash collection, trash removal, maintenance equipment storage, and delivery and loading.

- c. Outdoor Utility Equipment: Dedicated spaces for outdoor elements of water and drainage, heating and cooling, fire protection, electrical power, and telecommunications services.
- d. Automotive: Spaces for access roads and truck parking.

D. PROGRAM

- 1. Project Program: The project program is described in Section 01010 Part II. Refer to supplemental design drawings in appendix J. The drawings are intended to serve as a partial guideline to convey the design intent for some functional relationships.

E. EXISTING CONDITIONS

- 1. The project site is currently partly vacant with some buildings and other structures to include a portion of the existing AFT.
 - a. Existing structures are to be completely removed.
 - b. See the Program Summary, above for description of replacement structures required.
 - c. Required demolition: see Program Summary, above
 - d. See Chapter G for removal of site structures and other features.
 - e. Structures or features to be preserved include some vehicle parking/storage paved areas.
 - f. Portions of the new AFT site are located over abandoned concrete with asphalt surface abandoned taxiways and runway. These pavements will be removed where necessary as part of the new AFT construction.

END OF PART I

CHAPTER D21**WATER SUPPLY****PERFORMANCE**

A. Basic Function:

1. Provide multiple water supplies necessary for building occupancy and use, and for future expansion in Marshlland yard area future addition.
2. Capacity: Size the water supply in accordance with code.
3. Capacity: Size the water supply to exceed code by 40 percent.
4. Where water supply elements must also function as elements defined within another element group, the construction will meet requirements of both element groups.
5. In addition to the requirements of this chapter, comply with all applicable requirements of Part III - Facility Performance, Chapter D - Services, and Chapter D2 - Water and Drainage.

B. Health and Safety:

1. Fire Prevention: Provide **dedicated** water supply for fire sprinkler system and standpipes.
2. Disease Prevention: Provide potable water supply with backflow preventers in accordance with code and filtration to remove pollutants.
3. ***Bacteriological results as of December 2003: Free Chlorine residual is distribution system: 0.6-1 ppm; Orthosphospate Level: N/A; pH range: 7.5 – 7.6. See Attachment 1 to this chapter for detailed sampling results.***

C. Durability:

1. Expected Service Life Span: 20 years.
2. Wear Resistance: Provide shutoff valves that are resistant to corrosion, breakage, and scratching due to continual contact with water, human usage, and cleaning with abrasive materials.
3. Freeze Protection: Protect piping from freezing with heat tracing.

D. Operation and Maintenance:

1. Water Pressure: 35 psi, minimum, except as otherwise required by code.
2. Ease of Service: Provide a shutoff valve at the the utility service main and the service entry point.
3. Ease of Repair: Do not locate underground piping beneath electrical service, equipment, footings, or foundation walls..

PRODUCTS

A. Pipe:

1. Use one or more of the following:
 - a. Ductile iron.
 - b. Galvanized steel.
 - c. Black steel
 - d. Cast iron
 - e. Copper.
 - f. **Polyvinyl chloride (PVC)**

Attachment 1
Dover Air Force Base Drinking Water Surveillance (Main Base)
SUMMARY OF SAMPLE RESULTS

Sample results are listed by well. The "type" column indicates the section of the drinking water section under which sampling is required, as shown below. If no type is listed, the concentration of the chemical was reported to us, but there is no regulatory requirement to conduct the sampling and no maximum contaminant level (MCL) for the chemical.

CODE	TYPE	SECTION
PMCL	Primary Inorganic	section 22.601A
SMCL	Secondary Inorganic	section 22.601B
PCB	Regulated Pesticides and PCBs	section 22.611A
VOC	Regulated Volatile Organic Chemicals (VOCs)	section 22.611C
UVOC and UVOC1	Unregulated Volatile Organic Contaminants	section 22.621
USOC	Unregulated Synthetic Contaminants	section 22.622
UIN	Unregulated Inorganic Contaminants	section 22.622

WELL "B"

ORGANICS/VOC Constituents	MCL ug/L	TYPE	Date	Results units ug/L
1,2-Dibromo-3-Chloropropane	0.2	PCB	961114	<0.01
2,2',3',4,6-Pentachlorobiphenol	1	PCB	961114	<0.2
2,3,7,8-TCDD (Dioxin)	3X10-5	PCB	961114	<5.0X10-6
2,4-D	70	PCB	961114	<1.0
Alachlor	2	PCB	961114	<.20
Aldicarb	3	PCB	961114	<.50
Aldicarb Sulfone	3	PCB	961114	<.50
Aldicarb Sulfoxide	3	PCB	961114	<.50
alpha-Chlordane	-	PCB	961114	<.10
Aroclors 1016 (PCB)	0.5	PCB	961114	<.50
Aroclors 1221 (PCB)	0.5	PCB	961114	<.50
Aroclors 1232 (PCB)	0.5	PCB	961114	<.50
Aroclors 1242 (PCB)	0.5	PCB	961114	<.50
Aroclors 1248 (PCB)	0.5	PCB	961114	<.50
Aroclors 1254 (PCB)	0.5	PCB	961114	<.50
Aroclors 1260 (PCB)	0.5	PCB	961114	<.50
Atrazine	3	PCB	961114	<.50
Benzo(a)pyrene	0.2	PCB	961114	<.10
Carbofuran	40	PCB	961114	<.10
Chlordane	2	PCB	961114	<.10
Dalapon	200	PCB	961114	<.10
Di(2-ethylhexyl)adipate	400	PCB	961114	<2.0
Di(2-ethylhexyl)phthalate	0.6	PCB	961114	<2.0
Dinoseb	0.7	PCB	961114	<0.7
Diquat	20	PCB	961114	<.44
Endothall	100	PCB	961114	<5.0
Endrin	2	PCB	961114	<.10
Ethylene Dibromide	0.05	PCB	961114	<.01
gamma-BHC (lindane)	0.2	PCB	961114	<.20
Glyphosate	700	PCB	961114	<6.0
Heptachlor	0.4	PCB	961114	<.01
Heptachlor epoxide	0.2	PCB	961114	<.01
Hexachlorbenzene	1	PCB	961114	<.10
Hexachlorocyclopentadiene	50	PCB	961114	<0.2

WELL "B"

ORGANICS/VOC Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Methoxychlor	40	PCB	961114	<.20
Oxamyl (Vydate)	200	PCB	961114	<1.0
Pentachlorophenol (pcp)	1	PCB	961114	<0.10
Silvex	50	PCB	961114	<1.0
Simazine	4	PCB	961114	<0.2
Toxaphene	3	PCB	961114	<1.0
Sulfate		UIN	961114	2
3-Hydroxycarbofuran		USOC	961114	<1.5
Aldrin		USOC	961114	<.10
Butachlor		USOC	961114	<.20
Carbaryl		USOC	961114	<1.5
Dicamba		USOC	961114	<1.0
Diieldrin		USOC	961114	<.10
Methomyl		USOC	961114	<0.5
Metolachlor		USOC	961114	<.20
Metribuzin (Sencor)		USOC	961114	<.20
Propachlor		USOC	961114	<.20
1,1,1,2-Tetrachloroethan		UVOC	961114	<0.5
1,1,2,2-Tetrachloroethan		UVOC	961114	<0.5
1,1-Dichloropropene		UVOC	961114	<0.5
1,2,3-Trichloropropene		UVOC	961114	<0.5
1,3-Dichloropropane		UVOC	961114	<0.5
2,2-Dichloropropane		UVOC	961114	<0.5
2-Chlorotoluene		UVOC	961114	<0.5
4-Chlorotoluene		UVOC	961114	<0.5
Bromobenzene		UVOC	961114	<0.5
Bromodichloromethane		UVOC	961114	<0.5
Bromoform		UVOC	961114	<0.5
Bromomethane		UVOC	961114	<0.5
Chlorodibromomethane		UVOC	961114	<0.5
Chloroethane		UVOC	961114	<0.5
Chloroform		UVOC	961114	<0.5
Dibromomethane		UVOC	961114	<0.5
1,2,3-Trichlorobenzene		UVOC1	961114	<0.5

WELL "B"

ORGANICS/VOC Constituents	MCL ug/L	TYPE	Date	Results units ug/L
1,2,4-Trimethylbenzene		UVOC1	961114	<0.5
1,3,5-Trimethylbenzene		UVOC1	961114	<0.5
Bromochloromethane		UVOC1	961114	<0.5
Chloromethane		UVOC1	961114	<0.5
Dichlorodifluoromethane		UVOC1	961114	<0.5
Fluorotrichloromethane		UVOC1	961114	<0.5
Hexachlorobutadiene		UVOC1	961114	<0.5
Isopropylbenzene		UVOC1	961114	<0.5
m-Dichlorobenzene		UVOC1	961114	<0.5
n-Butylbenzene		UVOC1	961114	<0.5
n-Propylbenzene		UVOC1	961114	<0.5
Naphthalene		UVOC1	961114	<0.5
p-Cymene		UVOC1	961114	<0.5
sec-Butylbenzene		UVOC1	961114	<0.5
tert-Butylbenzene		UVOC1	961114	<0.5
1,1,1-Trichloroethane	20	VOC	961114	<0.5
1,1,2-Trichloroethane	5	VOC	961114	<0.5
1,1-Dichloroethane	7	VOC	961114	<0.5
1,2,4-Trichlorobenzene	70	VOC	961114	<0.5
1,2-Dichloroethane	5	VOC	961114	<0.5
1,2-Dichloropropane	5	VOC	961114	<0.5
1,4-Dichlorobenzene	75	VOC	961114	<0.5
Benzene	5	VOC	961114	<0.5
Carbon Tetrachloride	5	VOC	961114	<0.5
Chlorobenzene	100	VOC	961114	<0.5
cis-1,2-Dichloroethene	70	VOC	961114	<0.5
Ethyl Benzene	700	VOC	961114	<0.5
m-Xylene add O,M,P results together	10,000	VOC	961114	<0.5
Methylene Chloride	5	VOC	961114	<0.5
O-Dichlorobenzene	600	VOC	961114	<0.5
o-Xylene add O,M,P results together	10,000	VOC	961114	<0.5
p-Xylene add O,M,P results together	10,000	VOC	961114	<0.5
Styrene	100	VOC	961114	<0.5
Tetrachloroethene	5	VOC	961114	<0.5

WELL "B"

ORGANICS/VOC Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Toluene	1000	VOC	961114	<0.5
trans-1,2-Dichloroethene	100	VOC	961114	<0.5
Trichloroethene	5	VOC	961114	<0.5
Vinyl Chloride	2	VOC	961114	<0.5
1,1-Dichloroethene			961114	<0.5
1,2,3-Trichloropropane			961114	<0.02
1,2-Dichlorobenzene				
1,3-Dichlorobenzene			961114	<0.5
1-Naphthol				
2,3-Dichlorobiphenyl				
2,4,5-T			961114	<1.0
2,4,5-Trichlorobiphenyl				
2,4-DB			961114	<1.0
2-Chlorobiphenyl				
2233446-Heptachl biphenyl				
22334566-Octachl biphenyl				
2244-Tetrachlorobiphenyl				
224456-Hexachlorobiphenyl				
3,5-Dichlorobenzoic Acid			961114	<1.0
4,4' DDD				
4,4' DDE				
4,4' DDT				
4-Nitrophenol			961114	<1.0
5-Hydroxydicamba			961114	<2.0
Acenaphthylene				
Acifluorfen			961114	<1.0
Acifluorfen				
Alpha-BHC				
Ametryn			961114	<.20
Atraton				
Baygon			961114	<1.0
Benflazon			961114	<1.0
Benzo (a) anthracene				
Benzo (b) fluoranthene				

WELL "B"

ORGANICS/VOC	MCL	TYPE	Date	Results
Constituents	ug/L			units ug/L
Benzo (ghi) perylene				
Benzo (k) fluoranthene				
beta-BHC				
Bromacil			961114	<0.2
Butachlor			961114	<.20
Butylate			961114	<.20
Butylbenzyl Phthalate				
Carbaryl				
Carboxin				
Chloramben			961114	<1.0
Chloroneb				
Chlorothalonil				
Chlorpropharn			961114	<.20
Chrysene				
cis-1,3-Dichloropropene			961114	<0.5<1.0
cis-Nonachlor				
cis-Nonachlor				
cis-Permethrin				
Cycloate			961114	<.20
DCPA Acid Metabolites			961114	<0.5
delta-BHC				
Di-n-Butyl Phthalate				
Diazinon(a)				
Dibenzo (a,h) anthracene				
Dibromochloropropane				
Dichlorvos				
Dimethylphthalate				
Diphenamid			961114	<.20
Disulfoton				
Disulfoton Sulfone				
Disulfoton Sulfoxide(a)				
Dursban (Chlorpyrifos)				
Endosulfan I				
Endosulfan II				

WELL "B"

ORGANICS/NOC Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Endosulfan Sulfate				
Endrin Aldehyde				
EPTC			961114	<.20
Ethoprop			961114	<.20
Etridiazole				
Fenamiphos				
Fenarimol			961114	<.20
Fluorene				
Fluridone			961114	<.20
gamma-Chlordane			961114	<.10
Hexazinone			961114	<.50
Indeno (1,2,3-cd) pyrene				
Isophorone				
Merphos				
Methiocarb			961114	<2.5
Methyl paraoxon			961114	<.20
Metolachlor			961114	<.20
Metribuzin				
Mevinphos				
MGK 264			961114	<.20
Molinate			961114	<.20
Napropamide			961114	<.20
Norflurazon			961114	<.20
p-Isopropyltoluene				
Paraquat				
Pebulate			961114	<.20
Phenanthrene				
Picloram	500		961114	<1.0
Prometon				
Promethyn			961114	<.50
Pronamide(a)			961114	<.50
Propazine			961114	<.20
Pyrene				
Simetryn			961114	<.20

WELL "B"

INORGANICS Constituents	MCL mg/L	TYPE		
Antimony	0.006	PMCL	961114	<0.003
Arsenic	0.05	PMCL	961114	<0.005
Asbestos	7	PMCL	961114	
Barium	2	PMCL	961114	<0.05
Beryllium	0.004	PMCL	961114	<0.001
Cadmium	0.005	PMCL	961114	<0.001
Chromium	0.01	PMCL	961114	<0.01
Cyanide (total)	0.2	PMCL	961114	
Fluoride	see sect. 22.603	PMCL	961114	
Lead	0.05	PMCL	961114	0.005
Mercury	0.002	PMCL	961114	<0.002
Nickel	0.1	PMCL	961114	<0.02
Nitrate/Nitrite-Total	10	PMCL	961114	0.1
Selenium	0.05	PMCL	961114	<0.005
Sodium		PMCL	961114	11.54
Thallium	0.002	PMCL	961114	<0.5
Turbidity	see sect. 22.701	PMCL	961114	
Aluminum	0.05-0.2	SMCL	961114	
Chloride	250	SMCL	961114	2
Color	15 color units	SMCL	961114	
Copper	1	SMCL	961114	0.03
Corrosivity	see sect. 22.71	SMCL	961114	
Foaming Agents/MBAS	0.5	SMCL	961114	
Iron	0.3	SMCL	961114	<0.03
Manganese	0.05	SMCL	961114	<0.03
Odor	3 times, odor #	SMCL	961114	
pH (on site)	6.5-8.5	SMCL	961114	
Silver	0.1	SMCL	961114	<0.01
Sulfate	250	SMCL	961114	2
Total Dissolved Solids	500	SMCL	961114	
Zinc	5	SMCL	961114	<0.05
Alkalinity (total)			961114	155
Ammonia			961114	
Calcium			961114	43.84

WELL "B"

INORGANICS Constituents	MCL mg/L	TYPE	DATE	RESULTS
Colbalt			961114	<0.05
Hardness			961114	137
Langlier Index			961114	OSR
Magnesium			961114	6.79
Molybdenum			961114	<0.03
Oil & Grease			961114	
Orthophosphate			961114	
Phenols			961114	
Potassium			961114	3.48
Residue, filterable			961114	217
Silica			961114	
Specific Conductance			961114	
Sulfide			961114	
Titanium			961114	<0.05
Vanadium			961114	<0.05

WELL "C"

ORGANICS Constituents	MCL ug/L	TYPE	Date	Results units ug/L
1,2 Dibromide-3-Chloropropane	0.2	PCB	961114	<0.01
2,2',3',4,6-Pentachlorobiphenyl	1	PCB	961114	<0.2
2,3,7,8-TCDD (Dioxin)	3X10-5	PCB	961114	<5.0
2,4-D	70	PCB	961114	<1.0
Alachlor	2	PCB	961114	<0.2
Aldicarb	3	PCB	961114	<0.5
Aldicarb Sulfone	3	PCB	961114	<0.5
Aldicarb Sulfoxide	3	PCB	961114	<0.5
alpha-Chlordane	-	PCB	961114	<0.10
Aroclors 1016 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1221 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1232 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1242 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1248 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1254 (PCB)	0.5	PCB	961114	<0.5
Aroclors 1260 (PCB)	0.5	PCB	961114	<0.5
Atrazine	3	PCB	961114	<0.5
Benzo(a)pyrene	0.2	PCB	961114	<0.1
Carbofuran	40	PCB	961114	<1.0
Chlordane	2	PCB	961114	<0.1
Dalapon	200	PCB	961114	<1.0
Di(2-ethylhexyl)adipate	400	PCB	961114	<2.0
Di(2-ethylhexyl)phthalate	0.6	PCB	961114	<2.0
Dinoseb	0.7	PCB	961114	<0.7
Diquat	20	PCB	961114	<0.44
Endothall	100	PCB	961114	<5.0
Endrin	2	PCB	961114	<0.10
Ethylene Dibromide	0.05	PCB	961114	<0.01
gamma-BHC (lindane)	0.2	PCB	961114	<0.20
Glyphosate	700	PCB	961114	<6.0
Hepachlor	0.4	PCB	961114	<0.01
Hepachlor epoxide	0.2	PCB	961114	<0.01
Hexachlorobenzene	1	PCB	961114	<0.10
Hexachlorocyclopentadiene	50	PCB	961114	<1.0

WELL "C"

ORGANICS Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Methoxychlor	40	PCB	961114	<0.2
Oxarmyl (Vydate)	200	PCB	961114	<1.0
Pentachlorophenol (pcp)	1	PCB	961114	<0.10
Silvex	50	PCB	961114	<1.0
Simazine	4	PCB	961114	<0.2
Toxaphene	3	PCB	961114	<1.0
Sulfate		UIN	961114	2
3-Hydroxycarbofuran		USOC	961114	<1.5
Aldrin		USOC	961114	<0.10
Baygon		USOC	961114	<1.0
Butachlor		USOC	961114	<0.2
Dicamba		USOC	961114	<1.0
Dieldrin		USOC	961114	<0.10
Methiocarb		USOC	961114	<2.5
Methomyl		USOC	961114	<0.5
Melolachlor		USOC	961114	<0.2
Meftribuzin (Sencor)		USOC		
Propachlor		USOC	961114	<0.2
Sevin (Carbaryl)		USOC	961114	<1.5
1,1,1,2-Tetrachloroethan		UVOC	961114	<0.5
1,1,2,2-Tetrachloroethan		UVOC	961114	<0.5
1,1-Dichloropropene		UVOC	961114	<0.5
1,2,3-Trichloropropane		UVOC	961114	<0.02
1,3-Dichloropropane		UVOC	961114	<0.5
2,2-Dichloropropane		UVOC	961114	<0.5
2-Chlorotoluene		UVOC	961114	<0.5
4-Chlorotoluene		UVOC	961114	<0.5
Bromobenzene		UVOC	961114	<0.5
Bromodichloromethane		UVOC	961114	2.8
Bromoform		UVOC	961114	<0.5
Bromomethane		UVOC	961114	<0.5
Chlorodibromomethane		UVOC	961114	<1.2
Chloroethane		UVOC	961114	<0.5
Chloroform		UVOC	961114	6.1

WELL "C"

ORGANICS Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Dibromomethane		UVOC	961114	<0.5
1,2,3-Trichlorobenzene		UVOC1	961114	<0.5
1,2,4-Trimethylbenzene		UVOC1	961114	<0.5
1,3,5-Trimethylbenzene		UVOC1	961114	<0.5
Bromochloromethane		UVOC1	961114	<0.5
Chloromethane		UVOC1	961114	<0.5
Dichlorodifluoromethane		UVOC1	961114	<0.5
Fluorotrichloromethane		UVOC1	961114	<0.5
Hexachlorobutadiene		UVOC1	961114	<0.5
Isopropylbenzene		UVOC1	961114	<0.5
m-Dichlorobenzene		UVOC1	961114	<0.5
n-Butylbenzene		UVOC1	961114	<0.5
n-Propylbenzene		UVOC1	961114	<0.5
Naphthalene		UVOC1	961114	<0.5
p-Cymene		UVOC1	961114	<0.5
sec-Butylbenzene		UVOC1	961114	<0.5
tert-Butylbenzene		UVOC1	961114	<0.5
1,1,1-Trichloroethane	20	VOC	961114	<0.5
1,1,2-Trichloroethane	5	VOC	961114	<0.5
1,1-Dichloroethane	7	VOC	961114	<0.5
1,2,4-Trichlorobenzene	70	VOC	961114	<0.5
1,2-Dichloroethane	5	VOC	961114	<0.5
1,2-Dichloropropane	5	VOC	961114	<0.5
1,4-Dichlorobenzene	75	VOC	961114	<0.5
Benzene	5	VOC	961114	<0.5
Carbon Tetrachloride	5	VOC	961114	<0.5
Chlorobenzene	100	VOC	961114	<0.5
cis-1,2-Dichloroethene	70	VOC	961114	<0.5
Ethyl Benzene	700	VOC	961114	<0.5
m-Xylene add O,M,P results together	10,000	VOC	961114	<0.5
Methylene Chloride	5	VOC	961114	<0.5
O-Dichlorobenzene	600	VOC	961114	<0.5
o-Xylene add O,M,P results together	10,000	VOC	961114	<0.5
p-Xylene add O,M,p results together	10,000	VOC	961114	<0.5

WELL "C"

ORGANICS Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Styrene	100	VOC	961114	<0.5
Tetrachloroethylene	5	VOC	961114	<0.5
Toluene	1000	VOC	961114	<0.5
trans-1,2-Dichloroethene	100	VOC	961114	<0.5
Trichloroethylene	5	VOC	961114	<0.5
Vinyl Chloride	2	VOC	961114	<0.5
1,1-Dichloroethene			961114	<0.5
1,2,3-Trichloropropane				
1,2-Dichlorobenzene			961114	<0.5
1,3-Dichlorobenzene			961114	<0.5
1-Naphthol			961114	<1.0
2,3-Dichlorobiphenyl			961114	<0.2
2,4,5-T			961114	<1.0
2,4,5-Trichlorobiphenyl			961114	<0.2
2,4-DB			961114	<1.0
2-Chlorobiphenyl			961114	<0.2
2,2,3,4,4,6-HeptaCl biphenyl			961114	<0.2
2,2,3,4,5,6,6-OctaCl biphenyl			961114	<0.2
2,2,4,4-Tetrachlorobiphenyl			961114	<0.2
2,2,4,4,6-Hexachlorobiphenyl			961114	<0.2
3,5-Dichlorobenzoic Acid			961114	<0.10
4,4' DDD			961114	<0.1
4,4' DDE			961114	<0.1
4,4' DDT			961114	<0.1
4-Nitrophenol			961114	<1.0
5-Hydroxydicamba			961114	<2.0
Acenaphthylene			961114	<0.2
Acifluorfen			961114	<1.0
alpha-BHC			961114	<0.1
Ametryn			961114	<0.2
AMPA			961114	<6.0
Anthracene			961114	<0.2
Atraton				
Bentazon			961114	<1.0

WELL "C"

ORGANICS	MCL	TYPE	Date	Results
Constituents	ug/L			units ug/L
Benzo (a) anthracene			961114	<0.2
Benzo (b) fluoranthene			961114	<0.2
Benzo (ghi) perylene			961114	<0.2
Benzo (k) fluoranthene			961114	<0.2
beta-BHC			961114	<0.1
Bromacil			961114	<0.2
Butachlor			961114	<0.2
Butylate			961114	<0.2
Butylbenzyl Phthalate			961114	<0.2
Carboxin			961114	<0.2
Chloramben			961114	<1.0
Chlorobenzilate				
Chloromethane				
Chloroneb			961114	<0.2
Chlorothalonil			961114	<0.1
Chlorpropham			961114	<0.2
Chysene			961114	<0.2
cis-1,2-Dichloroethene				
cis-1,3-Dichloropropene			961114	<0.5
cis-Nonachlor				
cis-Permethrin			961114	<0.2
Cycloate			961114	<0.2
DCPA Acid Metabolites			961114	<0.10
delta-BHC			961114	<0.1
Di-n-Butyl Phthalate			961114	<2.0
Diazinon(a)				
Dibenzo (a,h) anthracene			961114	<0.2
Dibromochloropropane				
Dichloroprop			961114	<1.0
Dichlorvos				
Diethylphthalate			961114	<2.0
Dimethylphthalate			961114	<0.2
Diphenamid			961114	<0.2
Disulfoton				

WELL "C"

ORGANICS Constituents	MCL ug/L	TYPE	Date	Results units ug/L
Disulfoton Sulfone				
Disulfoton Sulfoxide(a)				
Dursban (Chlorpyrifos)				
Endosulfan I			961114	<0.2
Endosulfan II			961114	<0.1
Endosulfan Sulfate			961114	<0.1
Endrin Aldehyde			961114	<0.1
EPTC			961114	<0.2
Ethoprop			961114	<0.2
Etridiazole			961114	<0.1
Fenamiphos			961114	<0.2
Fenarimol			961114	<0.2
Fluorene			961114	<0.2
Fluridone			961114	<0.2
gamma-Chlordane	-		961114	<0.10
Hexazinone			961114	<0.5
Indeno (1,2,3-cd) pyrene			961114	<0.2
Isophorone			961114	<0.2
Merphos			961114	<0.2
Methyl paraoxon			961114	<0.2
Mevinphos				
MGK 264			961114	<0.2
Molinate			961114	<0.2
Napropamide			961114	<0.2
Norflurazon			961114	<0.2
p-Isopropyltoluene				
Paraquat			961114	<0.80
Pebulate			961114	<0.2
Phenanthrene			961114	<0.2
Picloram	500		961114	<1.0
Prometon				
Promethyn			961114	<0.5
Propanil(a)			961114	<0.5
Propazine			961114	<0.2

WELL "C"

ORGANICS	MCL	TYPE	Date	Results
Constituents	ug/L			units ug/L
Pyrene			961114	<0.2
Simetryn			961114	<0.2
Stirofos			961114	<0.2
Tebuthiuron			961114	<0.5
Terbacil			961114	<0.2
Terbufos(a)				
Terbutryn			961114	<0.5
Tetrachloroethylene				
trans-1,2-Dichloroethene				
trans-1,3-Dichloropropene			961114	<0.5
trans-Nonachlor			961114	<0.2
trans-Permethrin			961114	<0.2
Triadimefon			961114	<0.5
Trichloroethylene			961114	<0.5
Tricyclazole				
Trifluralin			961114	<0.1
Verolate			961114	<0.2

WELL "C"

INORGANIC Constituents	MCL mg/L	TYPE		
Antimony	0.006	PMCL	961114	<0.003
Arsenic	0.05	PMCL	961114	<0.005
Asbestos	7	PMCL		
Barium	2	PMCL	961114	<0.050
Beryllium	0.004	PMCL	961114	<0.001
Cadmium	0.005	PMCL	961114	<0.001
Chromium	0.01	PMCL	961114	<0.010
Cyanide	0.2	PMCL		
Fluoride	see sect. 22.603	PMCL		
Lead	0.05	PMCL	961114	<0.001
Mercury	0.002	PMCL	961114	<0.002
Nickel	0.1	PMCL	961114	<0.020
Nitrate/Nitrite - total	10	PMCL	961114	0.1
Selenium	0.05	PMCL	961114	<0.005
Sodium		PMCL	961114	19.3
Thallium	0.002	PMCL	961114	<0.050
Turbidity	see sect.22.701	PMCL		
Aluminum	0.05-0.2	SMCL		
Chloride	250	SMCL	961114	2
Color	15 color units	SMCL		
Copper	1	SMCL	961114	<0.020
Corrosivity	see sect. 22.71	SMCL		
Foaming Agents/MBAS	0.5	SMCL		
Iron	0.3	SMCL	961114	<0.030
Manganese	0.05	SMCL	961114	<0.030
Odor	3 thres. odor #	SMCL		
pH	6.5-8.5	SMCL		
Silver	0.1	SMCL	961114	<0.010
Sulfate	250	SMCL	961114	2
Total Dissolved Solids	500	SMCL		
Zinc	5	SMCL	961114	<0.050
Alkalinity (total)			961114	139
Ammonia				
Calcium			961114	32.27

WELL "C"

INORGANIC Constituents	MCL mg/L	TYPE		
Cobalt			961114	<0.050
Hardness			961114	104.1
Langelier Index			961114	OSR
Magnesium			961114	5.6
Molybdenum			961114	<0.030
Oil & Grease				
Orthophosphate				
Phenols				
Potassium			961114	3.49
Residue, filterable			961114	105
Silica				
Specific Conductance				
Sulfide				
Titanium			961114	<0.050
Vanadium			961114	<0.050

CHAPTER D24**SANITARY WASTE****PERFORMANCE****A. Basic Function:**

1. Provide drainage for disposal of waste as required by the code and for the following:
 - a. Fixtures and equipment which have a waste connection or a domestic water connection.
 - 1) Waste connections are not required on icemakers, refrigerators with icemakers, exterior hose bibs, coffee makers, and emergency eyewash/shower.
 - b. Emergency Drainage: Floor drains located in:
 - 1) Basements.
 - 2) Laundry rooms.
 - 3) Rooms where waterproof membrane is specified or installed under floor finish.
 - 4) Public bathrooms with trap primers.
 - c. Cleaning Drainage: Floor drains located as indicated in program.
 - d. Indirect Drainage: Floor drains to receive piping from:
 - 1) Equipment drain pans.
 - 2) Condensate drains.
 - 3) Other equipment that produces clear wastes.
 - 4) Other equipment specified to have indirect drain.
 - 5) Walk-in coolers.
2. Where sanitary waste and vent elements must also function as elements defined within another element group, the construction will meet requirements of both element groups.
3. In addition to the requirements of this chapter, comply with all applicable requirements of Part III - Facility Performance, Chapter D - Services, and Chapter D2 - Water and Drainage.
4. ***Nearest lift station is located in Building 703: Two 5 horse power pumps capable of delivering 200 GPM @ 40 ft TDH.***

B. Amenity and Comfort:

1. Convenience:
 - a. Do not locate floor drains and floor cleanouts in doorways or directly in traffic paths.
2. Odors:
 - a. Do not terminate vents within 10 feet horizontally of doors, windows, air intake or exhaust openings, or other openings in the exterior enclosure, unless vent termination is at least 3 feet above the top of the opening.
 - b. Do not locate vent openings under overhangs.
 - c. Do not locate vent openings closer than 10 feet to lot line.
 - d. Extend vent pipes at least 12 inches above the surface of roofs.
 - 1) Exception: Where roof areas are to be occupied for normal building functions, extend vent pipes at least 7 feet above the roof surface.
 - e. Extend vent pipes at least 12 inches above overflow level of the highest fixture served by the vent.
 - f. Provide an automatic means of priming traps which may evaporate enough water to break the trap seal allowing sewer gases to enter the building, on all floor drains.

C. Health and Safety:

1. Flammable or Toxic Wastes: Provide means of safely disposing of:
 - a. Gasoline.
 - b. Diesel fuel.
 - c. Oil.
 - d. Anti-freeze (glycol solution).

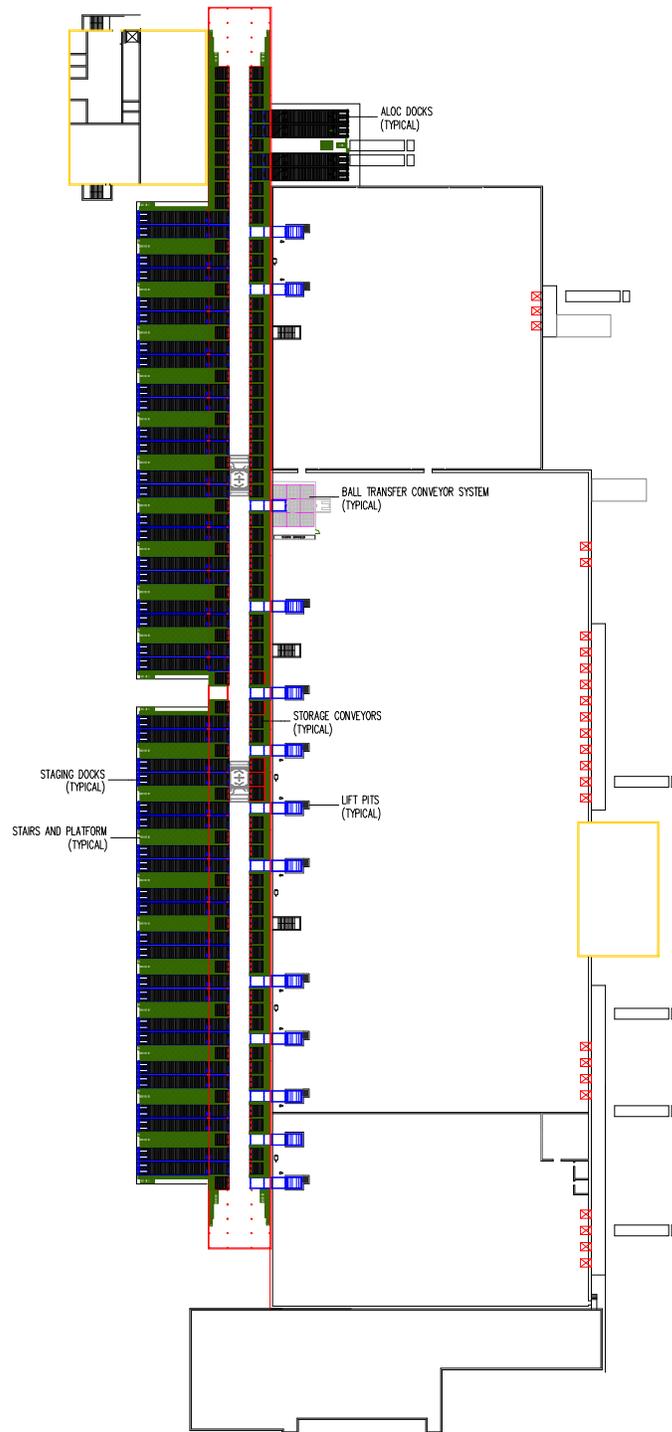


Figure 1, System Layout