

EPA REGION 10 CONTRACT FOR INTERIOR REMODELING

ADHESIVES— PROCUREMENT LANGUAGE

PRODUCT SPECIFIC LANGUAGE

06050 FASTENERS AND ADHESIVES

GENERAL

ALL ADHESIVES EMPLOYED ON THE PROJECT INCLUDING, BUT NOT LIMITED TO, ADHESIVES FOR CARPET, CARPET TILE, PLASTIC LAMINATE, WOOD ADHESIVE, OR SEALANTS ARE TO BE THOSE WITH THE LOWEST POSSIBLE VOLATILE ORGANIC COMPOUND "VOC" CONTENT AND WHICH MEET REQUIREMENTS OF THE MANUFACTURER OF THE PRODUCTS INVOLVED OR ADHERED.

CERAMIC TILE SHALL BE SET WITH THIN-SET METHOD.

ACCEPTABLE PRODUCTS

1. MILLIKEN PRESSURE SENSITIVE ADHESIVE FOR MODULAR CARPET TILES.
2. SAFECOAT 3 IN 1 ADHESIVE, A LOW-ODOR, NON-TOXIC, WATER-BASED ADHESIVE DESIGNED FOR HARD COMPOSITION WALL AND FLOOR TILES. RECOMMENDED FOR ADHERING HARD COMPOSITION FLOOR AND WALL TILES AND CARPET.
3. ENVIROTECH ADHESIVE #2045, AN ACRYLIC CLEAR-SET, PRESSURE-SENSITIVE ADHESIVE USED TO ADHERE PADDING TO SUBSTRATE.
4. ENVIROTECH ADHESIVE #2055, USED TO ADHERE CARPET TO PADDING. IT IS A HIGH-SOLIDS, HIGH TACK, FAST DRYING ADHESIVE FORMULATED FOR BOND 'N PEEL INSTALLATION OF A WIDE VARIETY OF CARPETS.
5. ENVIROTECH ADHESIVE #2058 IS A LATEX-BASED ECONOMY GRADE FLOOR COVERING ADHESIVE DEVELOPED FOR THE INSTALLATION OF MANY TYPES OF CARPETS AND SHEET GOODS DESTINED FOR DIRECT GLUE DOWN, EXCLUDING THOSE WITH VINYL BACKINGS. ENVIROTECH IS A LOW VOC ADHESIVE.

PERFORMANCE CRITERIA

1. TOTAL VOC BELOW 50G/L.
2. CONTAINS NO FORMALDEHYDE.

SUBSTITUTIONS

THE PRODUCTS LISTED ABOVE ARE ACCEPTABLE TO THE TENANT. ANY OTHER PRODUCTS MUST RECEIVE PRIOR APPROVAL BY THE TENANT'S REPRESENTATIVE. SUBSTITUTIONS REQUESTS SHALL BE MADE ACCORDING TO SECTION 01630.

TARGET BUILDING MATERIALS

THE HANDLING OF THE FOLLOWING ITEMS SHOULD BE ADDRESSED IN THE PLAN.

18. REMOVE USED BROADLOOM CARPETS IN LARGE PIECES, ROLL TIGHTLY AND PACK NEATLY IN CONTAINER. REMOVE ADHESIVE ACCORDING TO RECOMMENDATIONS OF THE CARPET AND RUG INSTITUTE (CRI). ADHESIVE REMOVAL SOLVENTS SHALL COMPLY WITH CARPET AND RUG INSTITUTE PUBLICATION 104 SUBPARAGRAPH 6.1.9.

OTHER APPLICABLE CONTRACT LANGUAGE

DIVISION 1 - GENERAL REQUIREMENTS

SUMMARY OF THE WORK

01010

WORK COVERED BY THE CONTRACT INCLUDES DEMOLITION OF EXISTING PARTITIONS, CARPETING, AND LIGHTING SYSTEMS; INSTALLATION OF NEW CARPETING, PARTITIONS, WALLBOARD, DOORS AND MILLWORK, FINISHES, PLUMBING FIXTURES, LIGHTING FIXTURES AND CONTROLS AND WIRING FOR THE U.S. ENVIRONMENTAL PROTECTION AGENCY (TENANT) PARK PLACE BUILDING, 1200 SIXTH AVE., SEATTLE

SPECIAL CONDITIONS ARISE FROM THE ENVIRONMENTAL FOCUS OF THE PROJECT. FOR THE PURPOSES OF THIS PROJECT, "ENVIRONMENTALLY SUSTAINABLE" MEANS REDUCING, REUSING AND RECYCLING CONSTRUCTION, DEMOLITION AND WORKER WASTE, AND THE SELECTION AND INSTALLATION OF ENVIRONMENTALLY PREFERABLE BUILDING PRODUCTS AND MATERIALS.

ENVIRONMENTALLY PREFERABLE PRODUCTS AND MATERIALS ARE THOSE WHICH MINIMIZE THE CONTENT OF TOXIC OR HARMFUL SUBSTANCES; RELEASE MINIMAL AMOUNTS OF VOLATILE ORGANIC COMPOUNDS (VOCS) OR CFCs INTO THE ENVIRONMENT; CONTAIN SIGNIFICANT AMOUNTS OF POST-CONSUMER RECYCLED MATERIALS; ARE RECYCLABLE; ARE PRODUCED TRANSPORTED AND INSTALLED IN AN ENERGY EFFICIENT MANNER; AND DO NOT IMPACT RARE OR ENDANGERED NATURAL RESOURCES.

01100

SPECIAL PROJECT PROCEDURES

PRODUCT CURING

ALL DRY FURNISHINGS AND MATERIALS (SUCH AS CARPET, FLOOR TILE, ACOUSTICAL TILE, TEXTILES, WOOD SHELVING, AND FURNISHINGS, ETC.) SHALL BE ALLOWED TO VENT OR CURE FOR 48 HOURS PRIOR TO BEING BROUGHT ON SITE.

VENTING SHALL BE CONDUCTED BY REMOVING ALL PACKAGING MATERIALS, ALLOWING FUMES AND ODORS TO VENT TO THE ATMOSPHERE FOR 48 HOURS, WHILE PROTECTING THE MATERIALS FROM DAMAGE OR DEGRADATION PRIOR TO INSTALLATION. **WORK SEQUENCING**

THE WORK SHALL BE ARRANGED TO AVOID CONTAMINATION OF BUILDING MATERIALS AND SYSTEMS BY CONSTRUCTION DEBRIS AND DUST. "DRY" FURNISHINGS AND MATERIALS SHALL NOT BE INSTALLED UNTIL "WET" MATERIALS HAVE BEEN APPLIED AND ALLOWED TO DRY TO THE EXTENT FEASIBLE AND IN ACCORDANCE WITH OTHER GOOD BUILDING PRACTICES. THE CONTRACTOR IS TO

COMPLY WITH ANY RECOMMENDED MEASURES IN THE **MSDS** TO PROTECT THE HEALTH AND SAFETY OF PERSONNEL.

SPACE FLUSH-OUT

A FLUSH OUT PERIOD OF 7 DAYS AT AMBIENT TEMPERATURES WITH 100% OUTSIDE AIR VENTILATION PRIOR TO OCCUPANCY, AS APPROVED BY THE TENANT. ALL TOXIN EMITTING MATERIALS, EXCEPT FURNISHINGS, SHALL BE IN PLACE, UNPACKED, PRIOR TO COMMENCEMENT OF THE FLUSH-OUT PERIOD.

01500

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

HVAC

THE RETURN SIDE OF THE VAV SYSTEM SHALL BE TURNED OFF DURING THE CONSTRUCTION PERIOD, AND TEMPORARY FAN POWERED EXHAUST SHALL BE PROVIDED. OUTSIDE AIR SETTINGS FOR THE AIR HANDLER SHALL BE 100% OUTSIDE AIR.

EXHAUST AIR SHALL BE EXTRACTED FROM THE SPACE BY REMOVING 2 SPANDREL PANELS AT EACH CORNER OF THE CONSTRUCTION AREA, AND CONSTRUCTION OF AN AIR PLENUM THAT VENTS TO THE OUTSIDE. CONTAMINATION OF OTHER SPACES ON THE FLOOR SHALL BE PREVENTED WITH A PLASTIC MEMBRANE, SEALING DOORS AND OTHER OPENINGS WITH DUCT TAPE AT HEAD, JAMB, AND SILL.

CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION FILTERS IN AIR HANDLER DURING THE CONSTRUCTION PERIOD. FILTERS ARE TO BE REPLACED AFTER COMPLETION OF THE FLUSH OUT PERIOD.

USE WINDOW EXHAUST SYSTEMS TO ESTABLISH NEGATIVE PRESSURE IN CONTAMINANT-PRODUCING WORK AREA, ENSURING CONTINUOUS FLOW OF AIR INTO WORK AREA. SEAL EXHAUST SYSTEM DUCTWORK THAT MIGHT LEAK INTO BUILDING OR MECHANICAL SYSTEMS.

01505

WASTE MANAGEMENT

GENERAL

THE TENANT HAS ESTABLISHED THAT THIS PROJECT SHALL GENERATE THE LEAST AMOUNT OF WASTE POSSIBLE AND THAT PROCESSES SHALL BE EMPLOYED THAT ENSURE THE GENERATION OF AS LITTLE WASTE AS POSSIBLE DUE TO ERROR, POOR PLANNING, BREAKAGE, MISHANDLING, CONTAMINATION OR OTHER FACTORS.

WASTE DISPOSAL IN LANDFILLS SHALL BE MINIMIZED, AND AS MANY OF THE WASTE MATERIALS AS ECONOMICALLY FEASIBLE SHALL BE REUSED, SALVAGED OR RECYCLED.

DOCUMENT 00200 - WASTE MANAGEMENT/POLLUTION PREVENTION PLAN

GENERAL

THE CONTRACTOR SHALL DEVELOP WASTE MANAGEMENT PLAN BASED ON THE GOALS DISCUSSED BELOW, AND SUBMIT THE PLAN FOR REVIEW AND APPROVAL BY THE OWNER AND TENANT AFTER AWARD OF CONTRACT AND BEFORE BEGINNING DEMOLITION. ONCE APPROVED, THE PLAN WILL BE INCLUDED IN THE CONTRACT DOCUMENTS.

WASTE MANAGEMENT GOALS

THIS PROJECT REQUIRES A PRO-ACTIVE EFFORT TO REDUCE AND RECYCLE DEMOLITION AND CONSTRUCTION WASTE. A DILIGENT EFFORT SHOULD BE MADE TO ACHIEVE THE GOALS DESCRIBED BELOW WHEREVER APPLICABLE IN ORDER TO REDUCE WASTE AND OVERALL DISPOSAL COSTS AND LIMIT THE ENVIRONMENTAL IMPACT OF THE PROJECT.

WASTE PREVENTION

TO THE GREATEST EXTENT PRACTICAL, THIS PROJECT SHALL GENERATE THE LEAST AMOUNT OF WASTE POSSIBLE, USING PROCESSES THAT ENSURE THE GENERATION OF AS LITTLE WASTE AS POSSIBLE DUE TO ERROR, POOR PLANNING, BREAKAGE, MISHANDLING, CONTAMINATION OR OTHER FACTORS. THE CONTRACTOR IS ENCOURAGED TO SEEK ADDITIONAL METHODS TO PREVENT WASTE IN THE FIRST PLACE. FOR EXAMPLE, CHOOSING SUPPLIERS THAT LIMIT PACKAGING, SETTING UP CENTRALIZED CUTTING AREAS TO REDUCE WOOD AND DRYWALL WASTE, AND ACCURATE ORDERING OF SUPPLIES TO AVOID OVERAGE.

REUSE AND RECYCLING

DEMOLITION AND CONSTRUCTION WASTE MANAGEMENT ACTIVITIES SHOULD ACHIEVE A MINIMUM 50% DIVERSION RATE. THE PREFERRED METHOD OF RECYCLING IS ON-SITE SEPARATION OF RECYCLABLE MATERIALS WHICH GENERALLY RESULTS IN LESS CONTAMINATION AND HIGHER RECYCLING RATES THAN COMMINGLED COLLECTION.

MATERIALS REMOVED FROM THE EXISTING STRUCTURES SHALL BE DISPOSED OF BASED ON THE FOLLOWING HIERARCHY, FROM THE MOST TO THE LEAST DESIRABLE.

1. SALVAGED AND REUSED ON SITE.
2. SALVAGED AND DONATED OR SOLD FOR REUSE OFF SITE.
3. SOURCE SEPARATED ON SITE AND RECYCLED.
4. CO-MINGLED AND SORTED FOR RECYCLING BY A RECYCLING HAULER OR FACILITY.
5. ALL NON-USABLE OR NON-RECYCLABLE MATERIALS ARE TO BE DISPOSED OF AS WASTE IN THE MOST ENVIRONMENTALLY SENSITIVE MANNER AS PRACTICABLE.

CLOSE-OUT

AT JOB CLOSE-OUT, THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL BE REQUIRED TO QUANTIFY AND SUBMIT IN WRITING THE ULTIMATE DISPOSITION OF ALL DEMOLITION AND CONSTRUCTION MATERIALS. THE SUBMITTALS SHOULD INCLUDE THE FOLLOWING INFORMATION:

27. DESCRIPTION OF MATERIAL, TYPE AND QUANTITY
28. DISPOSAL METHOD.
29. COST OR BENEFIT.
30. TOTAL DIVERSION PERCENTAGE.
31. DESCRIPTION OF MATERIALS NOT REUSED OR RECYCLED AND A BRIEF EXPLANATION AS TO WHY IT WAS NOT FEASIBLE TO REUSE OR RECYCLE.