



MISSOURI DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE SAFETY
FIRE SAFETY INSPECTION

FACILITY Woodhaven Learning Center	DVN 2087	TYPE OF FACILITY Mental Health Day Program
ADDRESS 1403 Hathman Place Columbia, MO 65201	COUNTY Boone	
OWNER/PROVIDER Cindy Busch Cbush@woodhaventeam.org	PHONE 573-673-7975	

SUMMARY STATEMENT OF DEFICIENCIES

(1) General Requirements.

(A) People participating in facility-based day habilitation and employment service settings are restricted to using the floor of the building that is at ground level exit discharge.

Exception: People participating in facility based day habilitation and employment services may use the floor below and above the level of exit discharge if the entire building is protected throughout with an approved automatic sprinkler system.

(B) No facility-based day habilitation and employment service shall be located in the same building as a high hazard occupancy.

(C) The staff of the facility shall conduct at least one (1) fire drill at least once a month.

In addition, a natural disaster drill will be conducted at least twice per year. The staff shall maintain a written record at the facility of the date, type of drill, time required to evacuate the building, whether the evacuation was completed, notation of any problems evacuating, and the number of occupants present during the drill.

New Facility

(G) No window in a facility shall have bars or any other item placed over it in a stationary manner that would impede a rescue or evacuation attempt.

(H) All flammable/combustible liquids, matches, toxic cleaning supplies, poisonous materials, medicines or other hazardous items shall be stored so as to be inaccessible to the occupants.

(I) The building numbers shall be plainly visible from the street in case of emergency: at least four (4) inches in height and contrasting color with the building.

(J) Good housekeeping practices ensuring fire safety will be maintained daily.

(K) Stairways, walks, ramps, and porches shall be kept free of ice and snow.

(L) Fresh-cut Christmas trees shall not be used, unless they are treated with a flame resistant material and documentation of the treatment is on file at the facility and available for review by the Division of Fire Safety inspector.

(M) The facility may use a cellular phone when all of the following conditions are met:

1. The phone must always have a signal;
2. The phone must always be charged;
3. The phone must be able to make and receive normal calls;
4. The phone must remain at the facility at all times; and
5. The emergency plan for the facility must address the use of cellular phones.

(N) The facility shall notify the nearest fire department that the facility is in operation and have required documentation completed and signed by the local fire authority (fire department notification form) on file at the facility and available for review by the Division of Fire Safety inspector.

New Facility

(3) Windows for Emergency Rescue and Ventilation.

(A) Every room or space greater than three hundred (300) square feet used by individuals shall have at least one (1) outside window for emergency rescue and ventilation. The window shall comply with the following:

1. Is operable from the inside without the use of tools;
2. Provides a clear opening of at least twenty inches (20") wide, twenty-four inches (24") in height, and has a total clear opening space no less than 5.7 square feet in size;
3. The bottom of the window opening is no more than forty-four inches (44") above the floor;
4. Any latching device is operated easily;
5. Provides a clear opening that is a rectangular solid, with a minimum width and height that provides the required 5.7 square feet opening and a minimum depth of twenty inches (20") to allow passage through the opening;
6. The windows shall be accessible by the fire department and open into an area having access to a public way.

(B) Subsection (3) (A) does not apply in the following situations:

1. In buildings protected throughout by an approved, supervised automatic sprinkler system;
2. When the room or space has a door leading directly to the outside of the building; or
3. If it is an interior room greater than three hundred (300) square feet in size and has two (2) remotely located means of egress and the egress doors are a minimum of thirty- six inches (36") wide and swings in the direction of egress.

Room has 2 remotely located exits with doors a minimum of 36" in width.

(4) Travel Distance to Exits.

(A) The travel distance between any room door intended as an exit access or an exit shall not exceed one hundred feet (100').

(B) The travel distance between any point in a room and an exit shall not exceed one hundred fifty feet (150').

(C) The travel distance in (A) and (B) above shall be permitted to be increased by fifty feet (50') in buildings protected throughout by a supervised automatic sprinkler system that is approved by the Division of Fire Safety inspector, based on the National Fire Protection Association Standards for Sprinkler Systems.

(5) Protection.

(A) Any vertical openings and stairwells shall be enclosed and protected with a one- (1) hour fire barrier and self-closing device attached to the door.

(B) All furnace rooms, rooms containing water heaters, boiler rooms, laundry rooms, and storage rooms shall be separated from the remainder of the building by construction having not less than a one- (1) hour fire resistance rating. All doors to these rooms shall have a self-closing device attached and a one- (1) hour fire resistive rating. The one- (1) hour rating required for these rooms or areas are not required if the facility installs a one and three quarters inch (1 ¾") thick solid core wood door or a twenty (20) minute fire rated door with a self-closure device installed and an automatic sprinkler head supplied by the domestic water supply or has an approved automatic sprinkler system. A fire alarm initiating device shall be installed in these rooms or areas. Before approval of the sprinkler installation using plastic pipe the provider must present documentation the pipe (minimum ½ inch diameter) and fittings are tested and approved to the 1881 or 1887 standard for use in sprinkler applications. If the sprinkler option is chosen, the above appliances must be enclosed in a smoke resistant enclosure. The door to these rooms shall be a minimum of one and three quarters inch (1 ¾") solid bonded wood core door with a self-closing device or a twenty minute fire rated door. No open penetrations including combustion air or return air vents are allowed to penetrate these enclosures or doors. Louvers that close on activation of the fire alarm or smoke detectors are allowed.

(C) Facility-based day habilitation and employment service settings shall be separated from other occupancies in the same building in accordance with the following:

Fire Wall	
Use Group	Separation in Hours
Place of Assembly	2
Business	1
Mercantile	2
Institutional restrained	1
Hotels or dormitories	2

Hazardous areas have 1 3/4" solid core doors with no self closure devices.

(7) Detection, Alarms, Extinguishment.

(A) All facility-based day habilitation and employment service settings programs serving forty-nine (49) people or less shall have smoke detectors installed on each level, in all occupied spaces, storage rooms, and throughout all corridors and in all other locations as deemed necessary by the Division of Fire Safety inspector. All smoke detectors shall be powered by the building's electrical system and have a nine- (9) volt battery backup and be interconnected. Smoke detectors shall be installed and arranged so that the activation of any smoke detector causes the operation of an alarm in all detectors that is clearly audible throughout the building, including in bathrooms, corridors, and activity rooms, and above the noise of radios, televisions, and noises of normal activity.

(B) All facility-based day habilitation and employment service settings programs serving fifty (50) people or more shall have a full coverage electrical fire alarm system. Pull stations shall be mounted at each exit door, and horns/strobes shall be installed throughout the facility. Smoke detectors shall be installed in all rooms, throughout all corridors, in all living spaces, storage rooms, and offices. Additional smoke detectors may be required by the Division of Fire Safety inspector as deemed necessary. Heat detectors shall be installed in all mechanical rooms, kitchens, laundry rooms, closets, and throughout the attic. The battery backup control panel shall be Underwriters Laboratories, Inc. (UL) or Factory Mutual (F.M.) listed and installed on a dedicated circuit in the breaker box. The fire alarm system shall be installed and maintained in accordance with the NFPA 72 Fire Alarm Code and in good working order.

(C) The fire alarm system shall be monitored by a monitoring company or transmitted directly to the fire department when fifty (50) or more individuals are present.

(D) All facilities shall have the fire alarm system tested, inspected, and approved annually by a fire alarm company in accordance with the NFPA 72 Fire Alarm Code. A copy of the test report and approved inspection report of the system shall be kept on file at the facility for review by the Division of Fire Safety inspector and the department.

Smoke detectors are only battery powered.

(E) Occupant notification shall be provided automatically without delay. Pre-signal systems shall be prohibited.

(F) Any facility that has hearing-impaired occupants shall make adequate provisions so that the activation of any fire alarm system shall notify the occupants of the building. The Division of Fire Safety inspector may require additional requirements for the hearing- impaired occupants to insure adequate modification.

None at this time. But were notified that if hearing impaired clients are to be cared for, a fire alarm system will need to be installed.

(G) All smoke detectors that are ten (10) years old or older shall be replaced with new smoke detectors of the same style. The new smoke detectors shall have the installation date written on the side of the detector for the Division of Fire Safety inspector to reference. All smoke detectors that are connected to a fire alarm system shall be replaced after ten (10) years of service, or recalibrated by the smoke detector's manufacturer. If the smoke detectors are recalibrated, temporary smoke detectors shall be installed so that the fire alarm system continues working properly and providing protection to the occupants while the original smoke detectors are being serviced.

(H) Facilities using any equipment or appliances using wood or fossil fuel that pose a potential carbon monoxide risk, including facilities with attached garages, shall install a carbon monoxide detector(s). The detector(s) shall be installed according to the manufacturer's instructions. The Division of Fire Safety may require additional carbon monoxide detectors if the Division of Fire Safety inspector determines that the safety of the occupants is endangered.

1. Carbon monoxide detectors shall be in good operating condition. If a battery operated detector is not operational, the facility shall install a detector that is powered by the building's electrical system with a battery backup.

2. If an elevated carbon monoxide level is detected during a fire inspection, the facility shall have all gas-fired appliances checked by a heating and air conditioning company to identify the source of the carbon monoxide. Until the facility has documentation on file at the facility verifying that all gas-fired appliances were checked by a heating and air conditioning company and are in safe working order, and the facility is determined safe by the Division of Fire Safety inspector, the fire inspection shall not be approved.

3. If a level of carbon monoxide is determined that endangers the lives of the occupants in care, the Division of Fire Safety inspector shall take measures necessary to protect the occupants. This may include evacuation of the building or closing the facility. The facility shall obtain and have on file at the facility, documentation verifying all gas fired appliances were checked by a heating and air conditioning company and are in safe working order. The facility shall be reinspected by the Division of Fire Safety inspector and determined safe before the occupants can return to the building or the facility can reopen.

Only 1 carbon monoxide detector installed. Install carbon monoxide detectors in each furnace zone.

(8) Heating, Ventilating, Air Conditioning, and Mechanical Equipment.

(A) Unvented fuel-fired room heaters, portable electric space heaters and floor furnaces shall not be permitted for use.

(B) No facility shall be allowed to heat the facility with a wood burning stove, fireplace, or wood burning furnace located inside of the structure.

(C) All gas and electric heating equipment shall be equipped with thermostatic controls. All water heaters, if gas fired, shall have the exhaust properly vented with galvanized pipe with screws at all joints or with a material recommended by the manufacturer. All water heaters shall have a properly sized pressure relief valve installed with a drip leg. The drip leg pipe on the pressure relief valve shall extend to approximately six inches (6") above the floor and shall be of rigid material such as copper or black iron pipe. Chlorinated polyvinyl chloride (CPVC) or PVC pipe can only be used if manufactured specifically for use on drip legs. No drip leg may be reduced in size from the opening of temperature and pressure valve.

(D) Facilities with a water heater two hundred thousand British thermal units (200,000 Btus) per hour input or larger, or that is heating with a boiler, shall have a valid permit from the Division of Fire Safety posted on the premises. A copy of the permit shall be kept on file at the Division of Fire Safety.

(E) All furnace rooms shall be properly vented. Furnace flue pipes shall be constructed of galvanized pipe or material recommended by the manufacturer. All galvanized pipe shall be secured by screws at every joint in the pipe.

(F) All joints in the gas supply pipe shall be located outside of the furnace cabinet housing.

(G) Gas shutoff valve shall be located next to all gas appliances, furnaces, hot water heaters.

(H) All furnaces shall be equipped with an electrical fused switch to protect the unit from electrical overloading and to disconnect the electrical supply.

Portable space heaters are no allowed in the facility.

(9) Electrical Services.

(A) Electrical wiring shall be installed and maintained in good working order. If the Division of Fire Safety inspector considers the wiring to be unsafe for the occupants or it is installed improperly, an inspection by a licensed electrician may be required prior to fire safety approval. The inspection by the licensed electrician shall be based on National Fire Protection Association, Chapter 70, *National Electrical Code*.

(B) No electrical extension cords will be allowed, unless approved in writing by the Division of Fire Safety inspector.

Breaker boxes are not properly marked.



RECOMMENDATIONS

FACILITY	IF NOT APPROVED
<input type="checkbox"/> APPROVED <input checked="" type="checkbox"/> NOT APPROVED	<input checked="" type="checkbox"/> REINSPECTION REQUIRED <input type="checkbox"/> DESK REVIEW

NOTE: Please notify the Fire Inspector when you have complied with the requirements as spelled out in the inspection form. This inspection does not preclude the licensee from complying with any applicable local fire or building codes.

ADMINISTRATOR 	DATE Jan 23, 2020	INSPECTOR 	DATE Jan 23, 2020
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Sample Report