Animal and Vermin Control

Outdoor Learning Environment and

Premises

Robert Hunt, REHS
Children's Environmental Health
252-955-4574
robert.hunt@dhhs.nc.gov

Animal and Vermin Control 15A NCAC 18A .2831

Animal and Vermin Control .2831(a)

- Vaccination records available for animals on the premises
- Any animals kept as pets shall be examined by a Veterinarian
- Animals belonging to child care owners, employees, volunteers, visitors, and children shall not be allowed in child care centers or on the premises unless the requirements are met.



Told for the truth!

.2831(a)Turtles, iguanas, frogs, salamanders, and other reptiles or amphibians are not allowed to be kept as pets on the premises.



I was told that this alligator was found near a child care center in South Carolina. The kids were feeding it.

Turtles, iguanas, frogs, salamanders, and other reptiles or amphibians...

• In 2015 and 2016, more than 202 people were sickened in several nationwide salmonella outbreaks linked to small turtles.





• Some people in these outbreaks became sick even when they did not touch the turtles, but had turtles i

Centers for Disease Control

Turtles, iguanas, frogs, salamanders, and other reptiles or amphibians...

From 2006 to 2014, CDC investigated 15 multistate *Salmonella* outbreaks linked to turtles

- 921 people were sickened
- 156 were hospitalized
- an infant died

their households.



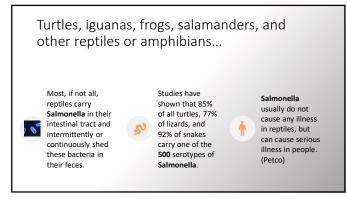


Turtles, iguanas, frogs, salamanders, and other reptiles or amphibians...

In 2011, CDC investigated an outbreak linked to African dwarf frogs

- 241 people were sickened
- 69% were younger than 10 years.





Turtles, iguanas, frogs, salamanders, and other reptiles or amphibians...

 Pregnant women, children, elderly or frail adults, or immunosuppressed people are particularly at risk of infection or serious complications of salmonellosis. At a minimum, they need to take extra precautions; ideally, they should avoid contact with reptiles. (Petco)



Insects, Rodents and other Vermin

What have you heard?

- I've never seen one before.
- We clean that everyday.
- We've had problems ever since the flood.
- They come from next door.
- I think they (pest control company) are spraying water.
- I've done everything.

Effective measures... .2831(b)

- Cleaning is essential in preventing pests
- Caulking cracks and gaps
- Containing food
- Reducing clutter
- Maintaining buildings to control entry of pests
- Maintaining Waste areas
- Self inspections

Structural Control for Pests

- Structural improvements will not eliminate pests, but can control the entry of pests!
- Suggest improvements during inspections
- Encourage facility self inspections and communication with staff



Structural controls for pests

Weep holes in masonry are to allow an outlet for moisture.



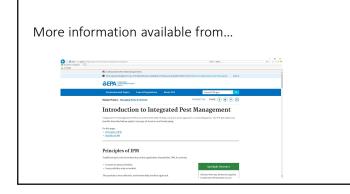
Do not seal them! Screen them!

Structural controls for pests



Structural controls for pests





Pesticides... .2831(c) and (d)

- In food preparation areas only fly traps, pyrethrin based insecticides or a fly swatter shall be used for extermination of flying insects
- Insecticides shall not come in contact ...
- Pesticides shall be used in accordance with the directions on the label and shall be stored in a locked storage room or cabinet separate from foods and medications.
- Pesticides shall not be applied or used while children are present in the area.

Chromated Copper Arsenate (CCA) pressuretreated wood .2831 (e), (f), and (g)

- Decks, fences, playground equipment and other products constructed or installed after September 1, 2006 shall not be made from CCA wood.
- CCA wood install prior to January 1, 2005 or where EPA allows CCA shall be sealed using oil based semi-transparent sealant, oil-based clear stain or water based clear stain applied at lease once every two years.
- Soil under CCA wood shall be removed and replaced with similar material or made inaccessible a the time of initial sealant application or whenever more than 2 years has passed since sealant application.

For more information on CCA

- There is an interagency (CPSC, EPA and others) consumer awareness brochure called CCA-Pressure Treated Wood. It is CPSC publication 270.
- <u>https://www.cpsc.gov/s3fs-public/270_0.pdf</u>
- CCA form is available on the CEH website

Treated wood tag

In this case EL2 is the preservative name code for DCOI-Imidicloprid-Stabilizer. Not CCA.



Any composting....2831(h)

 ...areas shall be covered and maintained to prevent attracting rodents and vermin. Worm bins shall be covered.

...vegetation shall be maintained... .2831(i)

Grass, fruit and vegetable gardens, vines on fences, and other vegetation shall be maintained in a manner which does not encourage the harborage of vermin.



Outdoor Learning Environment and Premises 15A NCAC 18A .2832

2832(a) ...the premises...

What does this play ground have going for it?



2832(a) ...the premises...

It appears to be:

-Clean

-drained to minimize

standing water

-free of liter

-Maintained to minimize the Harborage of vermin



But...take a walk around the playground:

From there you can't see:

what's in the shade of the trees
What's outside the gate to the

right • broken or damaged equipment

Fencing condition

• Storage shed/room?

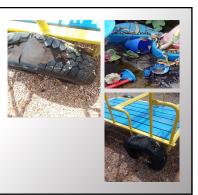
Dead limbs hanging from the

- trees
- If the structure with the roof is a sandbox



.2832(c)(1) Equipment ...in good repair...

- Sharp edges caused by wear, breaks, cracks
- Paint condition, rust and other damage on play equipment
- Toys that need cleaning



...Wells, grease traps, cisterns and utility equipment shall be made inaccessible to children..2832(a)





...inaccessible to children. .2832(a)



Black widows may not have the characteristic red hour glass.





Why cover a sandbox? .2832(c)(2)

The sandbox used in outdoor play shall be constructed to allow for drainage and shall be covered when not in use and kept clean.



Water features/toys holding water .2832(b)

Sand toys, water tables and other items that can collect standing water in the outdoor learning environment shall be emptied and stored to prevent standing water.



Water features/toys holding water .2832(b) • The life cycle typically takes two weeks, but depending on conditions, it can range from 4

Adult Errorges • Mosquitos can travel long distances depending on the species, but don't increase the - for population on the playground.

days to as long as a month.

Other concerns:

• Ours? We shouldn't ignore hazards. Document with a comment on the comment addendum. Call DCDEE consultant if needed.



.2832(d) If a daily air quality forecast is made by the Division of Air Quality...

for the county where a center is located, outdoor activities (noon-8PM) shall be restricted as follows.

- Code orange-limit activity to 1 hour.
- Code red-limit activity to 15 minutes.
- Code **purple**-no physical activity.
- Provisions shall be made to allow children with diagnosed asthma or with coughing or wheezing symptoms to participate in physical activity indoors on these days.



13

How do I get to that web site?

- Google NC air quality
- <u>https://deq.nc.gov/about/divisions/air-quality</u> and from the main banner choose "what's in the air today?"

.2832(e) When food service is provided in the outdoor learning environment...

- It shall comply with all the food rules...
- Food service tables shall be cleaned or covered prior to use
- Handwashing shall comply with handwashing rule. .2803(a)...<u>except</u> for diapering, food preparation and <u>foodservice</u>, hand sanitizing products may be used in lieu of handwashing...
 .2803(b)...<u>Except</u> for diapering and <u>before eating</u> meals and snacks, hand sanitizing products may be used in lieu of handwashing

.2832(f) When diapering and toiling facilities are provided in the outdoor learning environment...

- they shall meet all the diapering and toileting rules.
- They shall meet the handwashing requirements • For diapering hand sanitizing products are not allowed
 - Toileting and hand sanitizers? Plan review.

.2832(g) Storage provided outdoors for children's toys...

- Shall be kept clean
- Storage areas assessable to children shall be free of hazardous equipment and substances as in .2820
- Meet requirements for lighting
- Keep an eye out for spiders

What meets the requirements for lighting?

- Lighting for storage areas shall be 10 foot candles
- How?...opening door , windows, sky lights, battery operated light, flashlight or electric lighting.

Outdoor water activity centers... .2832(h)

This looks pretty. They can build it themselves.

But, who wants to clean under this table? What's under there after 2 months?



Outdoor water activity centers...

• Promote items that are easy to maintain and clean.



Questions?

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