

DRAFT

ENVIRONMENTAL AUDIT FINDINGS IN IOWA'S STATE PARKS									
PARK NAME	PARK DIST#	CONTACT MAIN ESD TELE#	ESD FIELD#	Implementation Checklist - place an X in the appropriate box when recommendation will be implemented.			TYPE	ISSUES IDENTIFIED WITH RECOMMENDATIONS	
				May 1, 2005	Dec. 31, 2005	CSB Assist			
Ambrose A. Call	1	641/424-4073	2				Water Supply	1 permitted public water supply well (PWSID #5502944).	
Beeds Lake	1	641/424-4073	2				Water Supply	1 permitted public water supply well (Need well identification number).	
Beeds Lake	1	641/424-4073	2				Solid Waste	Dispose of materials when old checkin building demolished.	
Black Hawk	1	712/262-4177	3				Wastewater	Replace vaults/privies to modern flush facilities with hook-ups to the municipal sewer system.	
Black Hawk	1	712/262-4177	3				Water Supply	Water provided by the City of Lake View.	
Clear Lake	1	641/424-4073	2				Water Supply	Water supply is provided by City of Clear Lake.	
Clear Lake	1	641/424-4073	2				Water Supply	Plug abandoned well in basement of park house.	
Clear Lake	1	641/424-4073	2				Aboveground Storage Tanks	Install secondary containment under aboveground tank.	
Clear Lake	1	641/424-4073	2				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.	
Clear Lake	1	641/424-4073	2				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.	
Clear Lake	1	641/424-4073	2				Hazardous Materials	Properly identify material in campground storage shed and recycle or dispose of properly.	
Clear Lake	1	641/424-4073	2				Solid Waste	Dispose of appliances properly, Subrule 567 IAC 100.4.	
Clear Lake	1	641/424-4073	2				Solid Waste	Properly dispose of campground storage shed to be demolished.	
Clear Lake	1	641/424-4073	2				Storm Water	Obtain a stormwater discharge permit during future demolition and reconstruction work.	
Elinor Bedell	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.	
Emerson Bay	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.	
Fort Defiance	1	712/262-4177	3				Wastewater	Pump and fill or remove septic tank at ranger's house.	
Fort Defiance	1	712/262-4177	3				Wastewater	Demolish old ranger house and other unused buildings.	
Fort Defiance	1	712/262-4177	3				Water Supply	1 permitted public water supply (PWSID #3218930)	
Fort Defiance	1	712/262-4177	3				Water Supply	Replace distribution system and hook up to service through the rural water system.	
Fort Defiance	1	712/262-4177	3				Aboveground Storage Tanks	Remove aboveground storage tank.	
Fort Defiance	1	712/262-4177	3				Underground Storage Tank	Remove buried propane tank just north of old ranger house.	
Fort Defiance	1	712/262-4177	3				Solid Waste	Develop systematic approach to inventory, plan for repair, renovation or demolition of old shelters and buildings at Trappers Bay in Lake Park.	
Gull Point	1	712/262-4177	3				Wastewater	Wastewater supplied by local utilities.	
Gull Point	1	712/262-4177	3				Water Supply	Water supply supplied by local utilities.	

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Gull Point	1	712/262-4177	3				Aboveground Storage Tanks	Install secondary containment on 300 gallon tank or replace.
Gull Point	1	712/262-4177	3				Aboveground storage tanks	Close valve on tank north of lodge.
Gull Point	1	712/262-4177	3				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Gull Point	1	712/262-4177	3				Solid Waste	Remove all solid waste and dump through licensed contractor. Cost estimates in the thousands.
Lewis and Clark	1	712/243-1934	4				Wastewater	Develop a plan for replacement of wastewater system.
Lewis and Clark	1	712/243-1934	4				Wastewater	Remove hose and replace cover on lift station.
Lewis and Clark	1	712/243-1934	4				Wastewater	Pump out wet well every 2-3 years.
Lewis and Clark	1	712/243-1934	4				Water Supply	1 permitted public water supply well (PWSID #6739949).
Lewis and Clark	1	712/243-1934	4				Water Supply	Install a casing vent on well.
Lewis and Clark	1	712/243-1934	4				Water Supply	Install an adequately sized chlorine day tank.
Lewis and Clark	1	712/243-1934	4				Water Supply	Replace the chlorine, alum, and soda ash chemical feed pumps and injectors sites. Automatic controls must be operating properly.
Lewis and Clark	1	712/243-1934	4				Water Supply	Repair the reservoir vent and overflow, must be properly screened.
Lewis and Clark	1	712/243-1934	4				Water Supply	Install a splash plate at the terminus of the reservoir overflow pipe.
Lewis and Clark	1	712/243-1934	4				Water Supply	Ensure adequate chlorine residuals are maintained in water distribution system.
Lewis and Clark	1	712/243-1934	4				Water Supply	Maintain the water plant in a clean and sanitary condition at all times.
Lewis and Clark	1	712/243-1934	4				Water Supply	Repair the packing seal around the drive shaft of high service pump #2.
Lewis and Clark	1	712/243-1934	4				Water Supply	Repair or replace the non-operational mixer in the clarifier.
Lewis and Clark	1	712/243-1934	4				Water Supply	Replace the screen on the aerator vent which has rusted through.
Lewis and Clark	1	712/243-1934	4				Water Supply	Lock the access hatch to the water storage reservoir to prevent unauthorized access.
Lewis and Clark	1	712/243-1934	4				Water Supply	Repair electrical conduit for the well. Must be reattached to well casing.
Lewis and Clark	1	712/243-1934	4				Water Supply	Shock chlorinate well and the distribution system twice per year as preventive maintenance measure, as well as flushing the mains twice per year.
Lewis and Clark	1	712/243-1934	4				Water Supply	Repair or replace operational controls for the water plant.
Lewis and Clark	1	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Lewis and Clark	1	712/243-1934	4				Hazardous Materials	Store waste oil indoors.
Lower Gar Access	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.
Marble Beach	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.

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McIntosh Woods	1	641/424-4073	2				Wastewater	Sewer service provided by Clear Lake Sanitary District.
McIntosh Woods	1	641/424-4073	2				Water Supply	Public water is provided by the City of Ventura.
McIntosh Woods	1	641/424-4073	2				Water Supply	Plug abandoned well and pressure tank in pit south of the campground shower.
McIntosh Woods	1	641/424-4073	2				Aboveground Storage Tanks	Install secondary containment under aboveground tank.
McIntosh Woods	1	641/424-4073	2				Aboveground Storage Tanks	Adhere to distance requirements for aboveground storage tanks.
McIntosh Woods	1	641/424-4073	2				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
McIntosh Woods	1	641/424-4073	2				Solid Waste	Properly dispose of materials from old dump site located at the SE area of park.
McIntosh Woods	1	641/424-4073	2				Hazardous Materials	Store waste oil indoors. On an impervious surface.
McIntosh Woods	1	641/424-4073	2				Hazardous Materials	Remove and properly dispose of soil contaminated by waste oil.
Mini-Wakan	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.
Okamanpedan	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.
Pikes Point	1	712/262-4177	3					Audit is being scheduled.
Pilot Knob	1	641/424-4073	2				Wastewater	Install influent flow meter per last inspection (2003).
Pilot Knob	1	641/424-4073	2				Wastewater	Submit plans and specifications for lagoon to department.
Pilot Knob	1	641/424-4073	2				Water Supply	1 permitted water supply well (PWSID #9525935).
Pilot Knob	1	641/424-4073	2				Water Supply	Plug both wells properly.
Pilot Knob	1	641/424-4073	2				Private Water Supply	Repair pressure tank in pit.
Pilot Knob	1	641/424-4073	2				Private Water Supply	Move private well at least 100 feet from aboveground storage tank.
Pilot Knob	1	641/424-4073	2				Hazardous Materials	Use products in accordance with the label directions.
Pilot Knob	1	641/424-4073	2				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Preparation Canyon	1	712/243-1934	4					Audit is being scheduled.
Rice Lake	1	641/424-4073	2				Water Supply	1 permitted water supply well (Need identification number).
Rice Lake	1	641/424-4073	2				Water Supply	Plug well properly.
Stone	1	712/262-4177	3				Wastewater	Uncover and inspect septic tanks (1930s).
Stone	1	712/262-4177	3				Wastewater	Replace septic systems with modern septic tanks and leach fields.
Stone	1	712/262-4177	3				Wastewater	Pump, remove or fill abandoned septic tanks.

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Stone	1	712/262-4177	3				Water Supply	1 public non-community public water supply well (PWSID #9778966).
Stone	1	712/262-4177	3				Water Supply	Use continuous disinfection for public's safety and health.
Stone	1	712/262-4177	3				Water Supply	Distribution system is being replaced.
Stone	1	712/262-4177	3				Solid Waste	Remove old solid waste north of park to sanitary landfill.
Templar Park	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.
Trappers Bay	1	712/262-4177	3				Solid Waste	Develop systematic approach to inventory, plan for repair, renovation or demolition of old shelters and buildings at Trappers Bay in Lake Park.
Twin Lakes	1	712/262-4177	3				Compliance	In compliance - no environmental issues observed.
Wanata	1	712/262-4177	3				Solid Waste	Develop systematic approach to inventory, plan for repair, renovation or demolition of old shelters and buildings at Wanata State Park.

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Backbone	2	563/927-2640	1				Wastewater	Requires immediate attention. Repair sand filter that was damaged by flood that serves beach and cabins.
Backbone	2	563/927-2640	1				Wastewater	Get schematic of system from contractor for septic tank (1997) at the auditorium.
Backbone	2	563/927-2640	1				Wastewater	Discontinue use of the floor drains at the south campgrounds and cabins. Plug floor drains until a plumber determines that facilities drain properly.
Backbone	2	563/927-2640	1				Wastewater	Inspect (by contractor) concrete pits after pumping.
Backbone	2	563/927-2640	1				Wastewater	Get schematic of system from contractor for septic tank (1987) at museum.
Backbone	2	563/927-2640	1				Wastewater	Discontinue use of toilet facilities at old office.
Backbone	2	563/927-2640	1				Wastewater	Uncover and inspect leach field at park manager's house until contractor determines compliance.
Backbone	2	563/927-2640	1				Water Supply	4 permitted water supply wells (need well identification numbers)
Backbone	2	563/927-2640	1				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from nozzles. Keep absorbent materials on hand.
Backbone	2	563/927-2640	1				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Backbone	2	563/927-2640	1				Hazardous Materials	Keep materials in dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Backbone	2	563/927-2640	1				Open Burning	Keep allowable burn piles 1/4 mile from an inhabited building.
Bellevue	2	563/927-2640	1				Wastewater	Pump and check tank for Nature Center on a regular basis.
Bellevue	2	563/927-2640	1				Wastewater	Discontinue use of toilet and sink in Nature Center basement until plumber determines proper drainage.
Bellevue	2	563/927-2640	1				Wastewater	Discontinue use of floor drains in basement of manager's house until plumber determines proper drainage.
Bellevue	2	563/927-2640	1				Wastewater	Discontinue use of floor drains in the shop and properly plug until a plumber determines proper drainage.
Bellevue	2	563/927-2640	1				Wastewater	Uncover and inspect septic tanks at the lodge.
Bellevue	2	563/927-2640	1				Wastewater	Inspect (by contractor) the concrete pits near the lodge area when pumped.
Bellevue	2	563/927-2640	1				Wastewater	Discontinue use of 1,000 gallon septic tank in yard by shop (Dyas Unit). Pump and remove.
Bellevue	2	563/927-2640	1				Wastewater	Discontinue use of floor drains in shop (Dyas Unit). Plug until a plumber determines that facilities drain properly.
Bellevue	2	563/927-2640	1				Water Supply	2 permitted water supply wells (Need identification numbers).
Bellevue	2	563/927-2640	1				Aboveground Storage Tanks	Label tanks contents properly at the Nelson Unit.
Bellevue	2	563/927-2640	1				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles at the Nelson Unit. Keep absorbent materials on hand.
Bellevue	2	563/927-2640	1				Aboveground Storage Tanks	Install secondary containment under aboveground tanks at both the Nelson Unit and the Dyas Unit.
Bellevue	2	563/927-2640	1				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks.

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Bellevue	2	563/927-2640	1				Hazardous Waste	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Brush Creek Canyon Recreation Area	2	641/424-4073	2				Wastewater	Needs immediate attention until such time that repairs can be made to prevent surface and/or groundwater from entering the pit vault. Discontinue use of pit vault restroom.
Brush Creek Canyon Recreation Area	2	641/424-4073	2				Water Supply	Properly separate water supply permit reports into individual water reports for this facility. (Need well count and identification numbers)
Cedar Rock	2	563/927-2640	1				Wastewater	Remove brush and trees in leach field south of the Nature Center.
Cedar Rock	2	563/927-2640	1				Wastewater	Inspect (by contractor) to determine compliance of visitor center septic tank.
Cedar Rock	2	563/927-2640	1				Wastewater	Shut off water in restrooms and bathhouse at Cedar Rock house.
Cedar Rock	2	563/927-2640	1				Water Supply	1 permitted water supply well. (Need well identification number)
Cedar Rock	2	563/927-2640	1				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Fort Atkinson	2	563/927-2640	1					Audit is being scheduled.
Maquoketa Caves	2	641/424-4073	2				Wastewater	Uncover and inspect septic tanks at Stone House and ranger residence. Pump on a regular basis.
Maquoketa Caves	2	641/424-4073	2				Water Supply	2 public water supply wells. (Need wells identification numbers)
Maquoketa Caves	2	641/424-4073	2				Private Water Supply	1 private well Ranger's residence. (Need well identification number)
Maquoketa Caves	2	641/424-4073	2				Private Water Supply	Inspect and repair/replace private well casing at ranger's residence. Check outside access port and make airtight.
Maquoketa Caves	2	641/424-4073	2				Aboveground Storage Tanks	Cap drainpipe at all times for tank located at office/shop.
Maquoketa Caves	2	641/424-4073	2				Aboveground Storage Tanks	Check for adequate spacing between aboveground tanks and comply with rules.
Maquoketa Caves	2	641/424-4073	2				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Wastewater	Uncover and inspect tank (by inspector) at Nature Center.
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Wastewater	Plug drain in basement at Nature Center until plumber determines proper drainage.
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Wastewater	Inspect Nature Center drain
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Water Supply	1 permitted water supply well. (Need well identification number)
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Aboveground Storage Tanks	Install a galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Mines of Spain & E.B. Lyons	2	563/927-2640	1				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.

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Palisades-Kepler	2	641/424-4073	2				Wastewater	Replace on-site wastewater system serving cabins - currently scheduled. Get permit from County.
Palisades-Kepler	2	641/424-4073	2				Wastewater	Inspect (by contractor) and pump pit privies.
Palisades-Kepler	2	641/424-4073	2				Water Supply	2 permitted waster supply wells (Need well identification numbers)
Palisades-Kepler	2	641/424-4073	2				Private Water Supply	1 private well serves ranger and manager (Need well identification number)
Palisades-Kepler	2	641/424-4073	2				Private Water Supply	Repair well pit structures at ranger's and manager's residence.
Palisades-Kepler	2	641/424-4073	2				Aboveground Storage Tanks	Install secondary containment under aboveground tank.
Palisades-Kepler	2	641/424-4073	2				Aboveground Storage Tanks	Install galvanized steel trough to catch overfills from the nozzles. Keep absorbent materials on hand.
Palisades-Kepler	2	641/424-4073	2				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Palisades-Kepler	2	641/424-4073	2				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Pikes Peak	2	563/927-2640	1				Wastewater	Uncover and inspect leach field (by contractor) at the manager's house/shop.
Pikes Peak	2	563/927-2640	1				Wastewater	Discontinue and plug floor drains at shop until plumber determines proper drainage.
Pikes Peak	2	563/927-2640	1				Wastewater	Inspect (by contractor) concrete pits after pumping.
Pikes Peak	2	563/927-2640	1				Water Supply	1 permitted water supply well. (Well #1)
Pikes Peak	2	563/927-2640	1				Water Supply	1 permitted water supply well (Well#1).
Pikes Peak	2	563/927-2640	1				Water Supply	Replace well seal at Well#1.
Pikes Peak	2	563/927-2640	1				Water Supply	Replace well casing vent at Well#1.
Pikes Peak	2	563/927-2640	1				Water Supply	Construct new well for this system or evaluate (by certified contractor & department's Construction Services Bureau) if Well#1 can be rehabilitated.
Pikes Peak	2	563/927-2640	1				Water Supply	Get a construction permit and install hypochlorination.
Pikes Peak	2	563/927-2640	1				Water Supply	Submit operations reports monthly.
Pikes Peak	2	563/927-2640	1				Water Supply	Discontinue supplying water to the park if the chlorine chemical feed pump becomes disabled. Well is part of rehabilitated CCC building (1930).
Pikes Peak	2	563/927-2640	1				Aboveground Storage Tanks	Install galvanized steel trough to catch overfills from the nozzles at shop. Keep absorbent materials on hand.
Pikes Peak	2	563/927-2640	1				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Pikes Peak	2	563/927-2640	1				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Volga River	2	641/424-4073	2				Wastewater	Discontinue use of floor drain in shop. Plug until a plumber determines proper drainage.
Volga River	2	641/424-4073	2				Wastewater	Inspect pumped pit walls by contractor.

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Volga River	2	641/424-4073	2				Water Supply	1 permitted water supply well - Old House (Need well identification number).
Volga River	2	641/424-4073	2				Water Supply	Discontinue use of water from spring source and old house well for any use at park office/shop. Construct new well.
Volga River	2	641.424-4073	2				Water Supply	Discontinue use of well at old house site. Construct new well.
Volga River	2	641/424-4073	2				Private Water Supply	1 permitted private water well (Need well identification number).
Volga River	2	641/424-4073	2				Private Water Supply	Plug the four test wells (1974).
Volga River	2	641/424-4073	2				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Wapsipinicon	2	641/424-4073	1				Wastewater	Inspect vaults after pumping.
Wapsipinicon	2	641/424-4073	1				Wastewater	Needs immediate attention. Pump dump station immediately. Discontinue use until repairs are made.
Wapsipinicon	2	641/424-4073	1				Wastewater	Repair or replace metal pump immediately for dump station.
Wapsipinicon	2	641/424-4073	1				Wastewater	Secure lid to dump station structure.
Wapsipinicon	2	641/424-4073	1				Water Supply	2 permitted public water supply wells (Need identification numbers).
Wapsipinicon	2	641/424-4073	1				Private Water Supply	1 permitted private water supply serving manager residence, office/shop.
Wapsipinicon	2	641/424-4073	1				Private Water Supply	Discontinue use of private well and construct new well for manager residence, office/shop.
Wapsipinicon	2	641/424-4073	1				Aboveground Storage Tanks	Move aboveground storage tank to comply with spacing requirements.
Wapsipinicon	2	641/424-4073	1				Aboveground Storage Tanks	Develop a spill plan for how the park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Yellow River Campground	2	641/424-4073	2					Audit is being scheduled.

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Lake Anita	3	712/243-1934	4				Wastewater	Uncover and inspect the septic tank and leach field for the house and shop to determine size, condition and adequacy.
Lake Anita	3	712/243-1934	4				Wastewater	Remove or plug abandoned septic tank near beach.
Lake Anita	3	712/243-1934	4				Water Supply	Public water supply is connected to the City of Anita.
Lake Anita	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Lake Anita	3	712/243-1934	4				Solid Waste	Dispose of solid waste (tires, metal, boatdocks) appropriately.
Lake Anita	3	712/243-1934	4				Solid Waste	Install secondary containment for waste oil drums.
Lake Manawa	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Lake Manawa	3	712/243-1934	4				Underground Storage Tanks	Develop a plan for the removal of these underground storage tanks.
Lake Manawa	3	712/243-1934	4				Leaking Underground Storage Tanks	Clean out spill containment basins (8LTU06).
Lake of Three Fires	3	712/243-1934	4				Wastewater	Fill in the unused lagoon at park attendant's residence.
Lake of Three Fires	3	712/243-1934	4				Wastewater	Uncover and inspect abandoned septic tank at the hunting area. Remove or plug.
Lake of Three Fires	3	712/243-1934	4				Water Supply	Public water supply is connected to the Southern Iowa Rural Water Association (SIRWA).
Lake of Three Fires	3	712/243-1934	4				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Lake of Three Fires	3	712/243-1934	4				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Lake of Three Fires	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Prairie Rose	3	712/243-1934	4				Water Supply	Until then, measure sewage flow with the water flow meter in campground.
Prairie Rose	3	712/243-1934	4				Wastewater	Install a better influent flow measurement system on lagoon.
Prairie Rose	3	712/243-1934	4				Wastewater	Inspect drain field serving the residence and shop area to determine condition and capacity.
Prairie Rose	3	712/243-1934	4				Water Supply	Water supply is connected to the Regional Water, rural water system.
Prairie Rose	3	712/243-1934	4				Water Supply	Install a pressure vacuum breaker on hydrant and antisiphon device to prevent accidental contamination of the water supply.
Prairie Rose	3	712/243-1934	4				Water Supply	Replace water distribution system.
Prairie Rose	3	712/243-1934	4				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Prairie Rose	3	712/243-1934	4				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Prairie Rose	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.

PARK NAME	PARK DIST#	CONTACT MAIN ESD TELE#	ESD FIELD#	Implementation Checklist - place an X in the appropriate box when recommendation will be implemented.			TYPE	ISSUES IDENTIFIED with RECOMMENDATIONS
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Prairie Rose	3	712/243-1934	4				Solid Waste	Install secondary containment for waste oil.
Springbrook	3	712/243-1934	4				Wastewater	Uncover and inspect the septic tank and lateral field for house.
Springbrook	3	712/243-1934	4				Wastewater	Replace influent measurement system on lagoon.
Springbrook	3	712/243-1934	4				Wastewater	Evaluate size of sand filter with possibility of reducing in size to improve efficiency.
Springbrook	3	712/243-1934	4				Wastewater	Remove trees in ed center lagoon cells.
Springbrook	3	712/243-1934	4				Wastewater	Develop a plan (Ed Center) to alternate the flow to the lagoon and wetland to help maintain plant growth.
Springbrook	3	712/243-1934	4				Wastewater	Use a degreaser periodically in the influent wet well or manholes.
Springbrook	3	712/243-1934	4				Water Supply	2 permitted public water wells (PWSID #3937934). (Well #1 constructed 1934; well #2 constructed 1965).
Springbrook	3	712/243-1934	4				Water Supply	Install a gauge to measure static and pumping water levels (drawdown) on both wells. Fit with drawdown equipment when they are next serviced.
Springbrook	3	712/243-1934	4				Water Supply	Replace entire water distribution system.
Springbrook	3	712/243-1934	4				Water Supply	Inspect and clean reservoirs and pressure tanks annually.
Springbrook	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Springbrook	3	712/243-1934	4				Solid Waste	Install secondary containment for waste oil.
Viking Lake	3	712/243-1934	4				Water Supply	1 public water supply well (PWSID #6965950).
Viking Lake	3	712/243-1934	4				Aboveground Storage Tanks	Install a galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Viking Lake	3	712/243-1934	4				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Viking Lake	3	712/243-1934	4				Solid Waste	Install secondary containment for waste oil barrel.
Waubonsie	3	712/243-1934	4				Wastewater	Uncover and inspect the 5 septic tanks and lateral fields to determine condition and capacity.
Waubonsie	3	712/243-1934	4				Wastewater	Replace pit latrine in campground.
Waubonsie	3	712/243-1934	4				Water Supply	2 permitted public water supply wells (PWSID #3629932).
Waubonsie	3	712/243-1934	4				Water Supply	Inspect reservoir, clean, repair if necessary.
Waubonsie	3	712/243-1934	4				Water Supply	Disinfect reservoir annually.
Waubonsie	3	712/243-1934	4				Water Supply	Replace the asbestos containing pipe in shower building.
Waubonsie	3	712/243-1934	4				Water Supply	Install manual controls on well.
Waubonsie	3	712/243-1934	4				Water Supply	Repair, sand and paint well piping in appurtenances on bridle trail well.
Waubonsie	3	712/243-1934	4				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.

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Waubonsie	3	712/243-1934	4				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Waubonsie	3	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Wilson Island	3	712/243-1934	4				Wastewater	Uncover and inspect the septic tanks and leach fields for the shop/office (1960) to determine size, condition and adequacy.
Wilson Island	3	712/243-1934	4				Water Supply	3 permitted water supply wells - (one PWSID #4344991) (constructed 1988).
Wilson Island	3	712/243-1934	4				Solid Waste	Install secondary containment for used oil barrel.
Geode	4	319/653-2135	6				Wastewater	Upgrade lagoon for campgrounds. (1998 report - H.R. Green Engineering Company)
Geode	4	319/653-2135	6				Wastewater	Upgrade lagoon system at beach house.
Geode	4	319/653-2135	6				Wastewater	Inspect and repair septic system at ranger's residence.
Geode	4	319/653-2135	6				Water Supply	Water supply is served by Rathbun Rural Water.
Geode	4	319/653-2135	6				Water Supply	Plug two abandoned wells near park office.
Geode	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Geode	4	319/653-2135	6				Solid Waste	Inspect and test floor tile for asbestos. Contact Air Quality Bureau for information regarding demolition procedures.
Geode	4	319/653-2135	6				Solid Waste	Store waste oil indoors or provide secondary containment.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Plug overflow pipe with sewer ball at campground lagoon.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Get an NPDES permit from department for lagoon discharging to the Des Moines River.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Develop a maintenance mow program for berm at camp lagoon.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Replace the lagoon at park office and ranger's residence with an on-site treatment system.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Uncover, inspect and pump septic tank at beach house.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Discontinue use of dosing siphon and sand filter at beach house.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Construct a new secondary treatment system at beach house.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Uncover, inspect and pump septic tank at shelter #2.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Uncover, inspect and pump septic tank at lodge.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Uncover, inspect and pump septic tank at shop.
Lacey-Keosauqua	4	319/653-2135	6				Wastewater	Uncover, inspect and pump septic tank at stone house.
Lacey-Keosauqua	4	319/653-2135	6				Water Supply	Water supply is served by Rathbun Rural Water.
Lacey-Keosauqua	4	319/653-2135	6				Water Supply	Needs immediate attention. Discontinue and plug two abandoned wells.

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Lacey-Keosauqua	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Lake Darling	4	319/653-2135	6				Wastewater	Pump and discharge to a permitted wastewater treatment plant (wildlife office).
Lake Darling	4	319/653-2135	6				Wastewater	Install fencing to totally enclose lagoon (wildlife office).
Lake Darling	4	319/653-2135	6				Wastewater	Develop a system to protect lagoon from surface water infiltration (wildlife office).
Lake Darling	4	319/653-2135	6				Wastewater	Install riprap to inner berm of lagoon (wildlife office).
Lake Darling	4	319/653-2135	6				Wastewater	Pump and discharge to permitted wastewater treatment plant at campground.
Lake Darling	4	319/653-2135	6				Wastewater	Remove all grasses/weeds on inner berms.
Lake Darling	4	319/653-2135	6				Wastewater	Repair damage to lagoon berm that was done by burrowing animals.
Lake Darling	4	319/653-2135	6				Water Supply	Water supply provided by Rathbun Rural Water.
Lake Darling	4	319/653-2135	6				Water Supply	Plug both wells at park's check-in station and old farmstead.
Lake Darling	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Lake Macbride	4	319/653-2135	6					Audit is being scheduled.
Lake Wapello	4	319/653-2135	6				Wastewater	Comply with all monitoring and reporting requirements. (Rule 567 IAC 63.9(455B)).
Lake Wapello	4	319/653-2135	6				Water Supply	Water supply is served by Rathbun Rural Water.
Lake Wapello	4	319/653-2135	6				Water Supply	Plug three abandoned wells at the park.
Lake Wapello	4	319/653-2135	6				Solid Waste	Properly dispose of discarded appliances in such a fashion as to not release hazardous/toxic waste. Chapter 118.
Lake Wapello	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Pleasant Creek	4	641/424-4073	1				Wastewater	Needs immediate attention. Repair and replace lagoon. Replace with new wastewater facility.
Pleasant Creek	4	641/424-4073	1				Wastewater	Provide portable facilities and holding tanks until viable wastewater facility is constructed.
Pleasant Creek	4	641/424-4073	1				Wastewater	Repair / replace lift station at north system - boat house.
Pleasant Creek	4	641/424-4073	1				Wastewater	Pump trailer dump station annually. Needs further explanation.
Pleasant Creek	4	641/424-4073	1				Water Supply	2 permitted water supply wells (Need well identification numbers).
Pleasant Creek	4	641/424-4073	1				Water Supply	Shut off all but two water valves for pressure tanks for shop. Use only two press tanks for shop.
Pleasant Creek	4	641/424-4073	1				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Pleasant Creek	4	641/424-4073	1				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.

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Shimek Forest Campground	4	319/653-2135	6					Audit is being scheduled.
Wildcat Den	4	319/653-2135	6				Wastewater	Install a back-up pump on-site at lift station (1984) at ranger residence/shop at park.
Wildcat Den	4	319/653-2135	6				Wastewater	Obtain a discharge permit from department.
Wildcat Den	4	319/653-2135	6				Water Supply	2 permitted water supply wells. Well #1 (PWSID #7048951) (1940).
Wildcat Den	4	319/653-2135	6				Water Supply	Extend well casing to at least 12" above concrete.
Wildcat Den	4	319/653-2135	6				Water Supply	Install drawdown equipment to measure water levels.
Wildcat Den	4	319/653-2135	6				Water Supply	Install an adequate vent on the well.
Wildcat Den	4	319/653-2135	6				Water Supply	Install meter to measure water usage.
Wildcat Den	4	319/653-2135	6				Water Supply	Paint and scrape well casing.
Wildcat Den	4	319/653-2135	6				Water Supply	Replace water storage tank.
Wildcat Den	4	319/653-2135	6				Water Supply	Properly seal the well cap.
Wildcat Den	4	319/653-2135	6				Water Supply	Permitted water supply well #2 (PWSID #7048952) (1968).
Wildcat Den	4	319/653-2135	6				Water Supply	Provide drainage away from the well.
Wildcat Den	4	319/653-2135	6				Water Supply	Extend the well casing to at least 18" above final ground elevation.
Wildcat Den	4	319/653-2135	6				Water Supply	Install drawdown equipment, a flow measurement device and a sample tap.
Wildcat Den	4	319/653-2135	6				Aboveground Storage Tanks	Replace current concrete dike around the three aboveground storage systems.
Wildcat Den	4	319/653-2135	6				Aboveground Storage Tanks	Replace secondary containment in the NE corner.
Wildcat Den	4	319/653-2135	6				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Wildcat Den	4	319/653-2135	6				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Wildcat Den	4	319/653-2135	6				Hazardous Materials	Properly label drums so materials are easily identifiable to anyone who may come in contact with them.
Wildcat Den	4	319/653-2135	6				Hazardous Materials	Remove and replace wood floor in shed with impervious flooring material or provide secondary containment.
Wildcat Den	4	319/653-2135	6				Hazardous Materials	Move location of chemical storage shed to higher ground.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
							Wastewater	Install a back-up pump at lift station at ranger residence/shop at Fairport Recreation Area.

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Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Wastewater	Obtain a discharge permit for small lagoon.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Wastewater	Install a visual or audible alarm on lift station at manager's residence at Fairport Recreation Area.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Wastewater	Outer casing around the well appears to be acting as a conduit for surface water to enter the aquifer. Appropriate drainage should be provided.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Water Supply	1 permitted public water supply well (PWSID #7048477) (1971).
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Water Supply	Provide drainage away from the well at Fairport Recreation Area.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Water Supply	Install drawdown equipment, a flow measurement device, and a sample tap at Fairport Recreation Area.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Water Supply	Install a casing vent with a 24 mesh corrosion-resistant screen at Fairport Recreation Area.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Water Supply	Install upgraded dump station fixture at Fairport Recreation Area.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Hazardous Materials	Label chemicals and dispose of properly (1989).
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Hazardous Materials	Move gasoline storage shed away from the riverbank to higher ground.
Wildcat Den - Fairport Recreation Area Campground	4	319/653-2135	6				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.

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Badger Creek	5	515/725-0268	5				Solid Waste	Dispose of ash from unauthorized fires.
Badger Creek	5	515/725-0268	5				Solid Waste	Dispose of solid waste at trap shoot area.
Badger Creek	5	515/725-0268	5				Solid Waste	Replace vandalized signs.
Big Creek	5	515/725-0268	5				Wastewater	Mow vegetation around all three lagoons.
Big Creek	5	515/725-0268	5				Wastewater	Remove trees from dikes on all lagoons.
Big Creek	5	515/725-0268	5				Wastewater	Riprap inner dikes at all three lagoons.
Big Creek	5	515/725-0268	5				Wastewater	Inspect for leakage. Repair SW toe of south cell of north lagoon for leakage.
Big Creek	5	515/725-0268	5				Water Supply	Public water is supplied by the City of Polk City.
Big Creek	5	515/725-0268	5				Aboveground Storage Tanks	Replace ABS with double walled containment system.
Big Creek	5	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Big Creek	5	515/725-0268	5				Hazardous Materials	Clean up oil spillage at shop.
Big Creek	5	515/725-0268	5				Hazardous Materials	Dispose of suspected 2-4-D container properly.
Big Creek	5	515/725-0268	5				Miscellaneous	Obtain permit of Air Quality rules if using paint booth again.
Brushy Creek	5	641/424-4073	2				Wastewater	Remove vegetation on berm slope of cell #4 to ensure berm integrity of south lagoon.
Brushy Creek	5	641/424-4073	2				Wastewater	Pump the valve pit, inspect the valve - repair/replace if necessary - north lagoon.
Brushy Creek	5	641/424-4073	2				Wastewater	Uncover and inspect septic tanks and leach fields.
Brushy Creek	5	641/424-4073	2				Wastewater	Mow vegetation on south lagoon.
Brushy Creek	5	641/424-4073	2				Wastewater	Repair liner at north lagoon on SE corner of cell #1.
Brushy Creek	5	641/424-4073	2				Wastewater	Provide construction plan of 4 septic tanks and leach fields.
Brushy Creek	5	641/424-4073	2				Wastewater	Use a certified hauler for septage disposal.
Brushy Creek	5	641/424-4073	2				Water Supply	Water supply is provided by Xenia Rural Water.
Brushy Creek	5	641/424-4073	2				Water Supply	Sample for bacteria routinely if Xenia Rural Water is not doing.
Brushy Creek	5	641/424-4073	2				Water Supply	Locate and plug well at former attendant's house.
Brushy Creek	5	641/424-4073	2				Water Supply	Discontinue use of hydrant at north campground.
Brushy Creek	5	641/424-4073	2				Water Supply	Develop a plan for wells - if to abandon - plug 5 wells.
Brushy Creek	5	641/424-4073	2				Solid Waste	Properly dispose of miscellaneous waste (old equipment, appliances, car bodies).

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Brushy Creek	5	641/424-4073	2				Stormwater	Apply for proper permits when construction begins for cabins at the beach campground.
Dolliver Memorial	5	641/424-4073	2				Wastewater	Uncover and inspect septic tanks and leach fields.
Dolliver Memorial	5	641/424-4073	2				Water Supply	1 public water supply well (PWSID #9453964).
Dolliver Memorial	5	641/424-4073	2				Water Supply	Plug abandoned well properly (plugged 1997-98).
Dolliver Memorial	5	641/424-4073	2				Aboveground Storage Tanks	Inspect distance between tanks and well for compliance. Move if not in compliance.
George Wyth Memorial	5	563/927-2640	1				Wastewater	Inspect (by contractor) concrete pits after pumping.
George Wyth Memorial	5	563/927-2640	1				Wastewater	Install a minimum of 2 pumps at liftstation at ranger's house and shop.
George Wyth Memorial	5	563/927-2640	1				Wastewater	Replace lift station at Wyth ramp (1981).
George Wyth Memorial	5	563/927-2640	1				Wastewater	Replace lift station at beach (1981).
George Wyth Memorial	5	563/927-2640	1				Wastewater	Discontinue beach showers until they can be rerouted. Plug drain.
George Wyth Memorial	5	563/927-2640	1				Water Supply	Water is supplied from the City of Waterloo. (Need well identification number)
George Wyth Memorial	5	563/927-2640	1				Aboveground Storage Tanks	Remove empty/unused tank at shop. Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
George Wyth Memorial	5	563/927-2640	1				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Ledges	5	515/725-0268	5				Wastewater	Operate the sewage lagoon as an aerated, continuous discharge facility in summer months. In winter months, close the effluent valve and turn off aerators. Make sure the lagoon cells are adequately aerated before resuming discharge each spring.
Ledges	5	515/725-0268	5				Wastewater	Discontinue use of the drain for maintenance building until remedy can be found.
Ledges	5	515/725-0268	5				Wastewater	Ensure that alarms at the sewage lift stations are operable.
Ledges	5	515/725-0268	5				Wastewater	Replace/refurbish the sewage lift stations.
Ledges	5	515/725-0268	5				Water Supply	Water supply served by Xenia Rural Water.
Ledges	5	515/725-0268	5				Water Supply	Refurbish and properly maintain or plug the well near the Des Moines River.
Ledges	5	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Pine Lake	5	641/424-4073	2				Wastewater	Discontinue use and abandon septic tanks/leach field for the old residence.
Pine Lake	5	641/424-4073	2				Water Supply	Public water is provided by Central Iowa Rural Water.
Pine Lake	5	641/424-4073	2				Water Supply	Plug wells at campground.
Pine Lake	5	641/424-4073	2				Aboveground Storage Tanks	Adhere to separation distances when installing new aboveground tanks.

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Pine Lake	5	641/424-4073	2				Solid Waste	Dispose of demolished residence according to department rules.
Pine Lake	5	641/424-4073	2				Solid Waste	Recycle motor oil.
Union Grove	5	515/725-0268	5				Wastewater	Fill in the old vault toilet below the dam.
Union Grove	5	515/725-0268	5				Wastewater	Plug well south of park office.
Union Grove	5	515/725-0268	5				Water Supply	Water supply served by Central Iowa Water Association.
Union Grove	5	515/725-0268	5				Water Supply	Replace the valve system. Relocate the rural water connection. Work the valves every six months to keep them operable.
Union Grove	5	515/725-0268	5				Aboveground Storage Tanks	Keep the aboveground storage tank secondary containment drain closed at all times, except to drain clean water that has been tested.
Union Grove	5	515/725-0268	5				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Union Grove	5	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Walnut Woods	5	515/725-0268	5				Water Supply	Water supply served by SW Polk Water Service (PWSID #7700802).
Walnut Woods	5	515/725-0268	5				Water Supply	Flush the water supply distribution system each year.
Walnut Woods	5	515/725-0268	5				Water Supply	Collect drinking water bacterial samples periodically.
Walnut Woods	5	515/725-0268	5				Aboveground Storage Tanks	Replace the two aging 300-gallon fuel storage tanks.
Walnut Woods	5	515/725-0268	5				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Walnut Woods	5	515/725-0268	5				Hazardous Materials	Provide secondary containment for used oil.
Walnut Woods	5	515/725-0268	5				Hazardous Materials	Post appropriate chemical signs.
Elk Rock	6	515/725-0268	5				Wastewater	Remove vegetation in lagoon at Bridge Area.
Elk Rock	6	515/725-0268	5				Wastewater	Develop a plan for repair to the north cell of lagoon at Campground Area.
Elk Rock	6	515/725-0268	5				Wastewater	Pump septic tank at park ranger residence.
Elk Rock	6	515/725-0268	5				Water Supply	Water supply furnished by Marion County Rural Water District.
Elk Rock	6	515/725-0268	5				Water Supply	Develop plan for well at Bridge Area.
Elk Rock	6	515/725-0268	5				Aboveground Storage Tanks	Drain valves on the secondary containment systems, and padlock in the closed position.
Elk Rock	6	515/725-0268	5				Aboveground Storage Tanks	Post warning signs for "No Smoking" or "Open Flames" within 20 feet.
Elk Rock	6	515/725-0268	5				Aboveground Storage Tanks	Space tanks 1/6 the sum of adjacent tank diameters but not less than 3-ft. apart.
Elk Rock	6	515/725-0268	5				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Green Valley	6	712/243-1934	4				Wastewater	Riprap interior cells of both lagoons serving shop/office/residence. (1976):

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Green Valley	6	712/243-1934	4				Wastewater	Develop a plan for alternative wastewater treatment outside the lake watershed.
Green Valley	6	712/243-1934	4				Wastewater	Plug overflow pipe in campground lagoon.
Green Valley	6	712/243-1934	4				Wastewater	Uncover and inspect abandoned septic tank. Determine if need to be pumped then fill or remove.
Green Valley	6	712/243-1934	4				Water Supply	Public water supply connected to the Southern Iowa Rural Water Association.
Green Valley	6	712/243-1934	4				Aboveground Storage Tanks	Install galvanized steel trough to catch overflows from the nozzles. Keep absorbent materials on hand.
Green Valley	6	712/243-1934	4				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Green Valley	6	712/243-1934	4				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Green Valley	6	712/243-1934	4				Solid Waste	Remove by trapping beaver population in campground.
Green Valley	6	712/243-1934	4				Solid Waste	Remove vegetation in campground lagoon.
Honey Creek	6	515/725-0268	5				Wastewater	Obtain a permit from Appanoose County Environmental Health office before repair or replacement of vault toilet.
Honey Creek	6	515/725-0268	5				Wastewater	Store the chlorine in the pump station in secondary containment.
Honey Creek	6	515/725-0268	5				Wastewater	Obtain digital chlorine testing equipment or have someone who is not color-blind perform colorimeter testing.
Honey Creek	6	515/725-0268	5				Wastewater	Repair the non-functional valve at the lagoon and exercise all valves every six months.
Honey Creek	6	515/725-0268	5				Wastewater	Discontinue use of floor drains at office and maintenance building. Plug until drain water can be properly dealt with.
Honey Creek	6	515/725-0268	5				Water Supply	Water is served by Rathbun Rural Water.
Honey Creek	6	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Honey Creek	6	515/725-0268	5				Stormwater	Obtain a stormwater discharge permit prior to the disturbance of more than one acre of land for a construction project.
Honey Creek	6	515/725-0268	5				Floodplain	Obtain a floodplain development permit for work on Rathbun Lake shoreline or in the floodplain of Honey Creek or for the construction of a dam across any waterway if it creates a storage pool of 25 acre-feet without an emergency spillway or 50 acre-feet with a spillway, or if it stores more than 18 acres feet of water when dam is at least 5 ft. high.
Lake Ahquabi	6	515/725-0268	5					Audit is being scheduled.
Lake Keomah	6	515/725-0268	5				Wastewater	Develop a plan to determine whether septic system at Day Camp has properly designed secondary treatment system.
Lake Keomah	6	515/725-0268	5				Wastewater	Replace the clay tile sewers with PVC.
Lake Keomah	6	515/725-0268	5				Wastewater	Develop a plan to determine future status of pit vaults near Lodge.
Lake Keomah	6	515/725-0268	5				Water Supply	Water supply served by Mahaska Rural Water.
Lake Keomah	6	515/725-0268	5				Water Supply	Plug well properly.
Lake Keomah	6	515/725-0268	5				Hazardous Waste	Do not allow large quantities of used oil or unusable items to accumulate.

PARK NAME	PARK DIST#	CONTACT - MAIN ESD TELE#	ESD FIELD#	Implementation Checklist - place an X in the appropriate box when recommendation will be implemented.			TYPE	ISSUES IDENTIFIED with RECOMMENDATIONS
				May 1, 2005	Dec. 31, 2005	CSB Assist		
Lake Keomah	6	515/725-0268	5				Hazardous Materials	Provide secondary containment for the used oil.
Lake Keomah	6	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Nine Eagles	6	515/725-0268	5				Wastewater	Mow dikes at all lagoons.
Nine Eagles	6	515/725-0268	5				Wastewater	Remove trees from the inner lagoon dikes.
Nine Eagles	6	515/725-0268	5				Wastewater	Riprap inner lagoon dikes.
Nine Eagles	6	515/725-0268	5				Wastewater	Clean out effluent structures.
Nine Eagles	6	515/725-0268	5				Wastewater	Maintain 2-foot of water in cells.
Nine Eagles	6	515/725-0268	5				Wastewater	Replace the gate and warning signs on the beach lagoon.
Nine Eagles	6	515/725-0268	5				Water Supply	Water supply is a consecutive supply to the Southern Iowa Rural Water Association #2 (Creston).
Nine Eagles	6	515/725-0268	5				Water Supply	Properly plug the abandoned well.
Nine Eagles	6	515/725-0268	5				Water Supply	Maintain a secure cover on the hydropneumatic tank pit to prevent unauthorized access until it is removed.
Nine Eagles	6	515/725-0268	5				Water Supply	Remove the old hydropneumatic tank and fill the pit.
Nine Eagles	6	515/725-0268	5				Aboveground Storage Tanks	Keep the drains plugged on the overflow/spill containment basins on fuel tanks.
Nine Eagles	6	515/725-0268	5				Aboveground Storage Tanks	Install valves on the drain ports of the overflow/spill containment basins instead of the plugs.
Nine Eagles	6	515/725-0268	5				Aboveground Storage Tanks	Replace aboveground storage tank with a double walled containment basin eventually.
Nine Eagles	6	515/725-0268	5				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Nine Eagles	6	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Nine Eagles	6	515/725-0268	5				Stormwater	Maintain completed/signed Pollution Prevention Plans on site.
Red Haw	6	515/725-0268	5				Wastewater	Repair inoperable pump in main lift station.
Red Haw	6	515/725-0268	5				Wastewater	Needs immediate attention. Repair/replace exhaust fan at the main lift station.
Red Haw	6	515/725-0268	5				Wastewater	Keep 2 feet of water in unused lagoon.
Red Haw	6	515/725-0268	5				Wastewater	Keep access hatch to pit toilets locked.
Red Haw	6	515/725-0268	5				Water Supply	Water supply served by the City of Chariton.
Red Haw	6	515/725-0268	5				Water Supply	Flush water distribution lines annually.
Red Haw	6	515/725-0268	5				Water Supply	Take bacterial counts annually.
Red Haw	6	515/725-0268	5				Water Supply	Plug two hand-dug wells in the park which have been abandoned but not properly plugged.

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				May 1, 2005	Dec. 31, 2005	CSB Assist		
Red Haw	6	515/725-0268	5				Aboveground Storage Tanks	Keep excess hoses within secondary containment.
Red Haw	6	515/725-0268	5				Aboveground Storage Tanks	Develop a spill plan for how park will handle releases from the aboveground tanks. Keep absorbent materials on hand.
Red Haw	6	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Red Haw	6	515/725-0268	5				Solid Waste	Land apply ash from burned landscape waste.
Rock Creek	6	515/725-0268	5				Wastewater	Discontinue use of floor drain and plug at the office and maintenance building until an appropriate remedy can be found.
Rock Creek	6	515/725-0268	5				Wastewater	Evaluate condition of vaults on the pit toilets. Discontinue use of vault toilets where possible, especially those nearest the lake and those that are not sealed off from the environment. Repair/replace those that can not be eliminated.
Rock Creek	6	515/725-0268	5				Wastewater	Keep the secondary containment drains closed at all times, except to drain clean water after it has been tested.
Rock Creek	6	515/725-0268	5				Wastewater	Limit public access to the northwest lagoon cell or fill it in.
Rock Creek	6	515/725-0268	5				Wastewater	Inspect the amount of sludge in the bottom of the east lagoon cell, remove and properly land apply it as necessary.
Rock Creek	6	515/725-0268	5				Wastewater	Replace clay sewers with PVC lines.
Rock Creek	6	515/725-0268	5				Water Supply	Water supply served by Newton Water Works.
Rock Creek	6	515/725-0268	5				Water Supply	Eliminate the ground storage reservoir from the drinking water system if possible. Properly maintain (upgrade/replace) it if elimination is not possible and keep the vegetation mowed around it.
Rock Creek	6	515/725-0268	5				Water Supply	Place sealed caps on dam test wells.
Rock Creek	6	515/725-0268	5				Hazardous Materials	Reduce the volume of used oil accumulated at any one time.
Rock Creek	6	515/725-0268	5				Hazardous Materials	Keep materials in a dry place. Do not store incompatible materials in too close proximity to each other. Keep absorbent materials on hand.
Stephens Forest Campground	6	515/725-0268	5					Audit is being scheduled.

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General Notes and Conditions:

1. All Aboveground Storage Tanks that are 1,101 gallons or larger must be registered with the State Fire Marshal.
2. Obtain a stormwater discharge permit prior to the disturbance of more than once acre of land for construction.
3. Obtain a floodplain development permit for work on or before construction of a project on a shoreline, located in a floodplain, or across a waterway.
4. Obtain permits from local boards of health before repair or replacement of sewage disposal systems.
5. Obtain permits from local county environmental health offices before plugging wells.
6. Use only contractors that are licensed by the DNR for septage control.
7. Keep all receipts and records of septage disposal.
8. Continue to monitor aboveground storage tanks and maintain a log of this activity.
9. Prevent pollutant discharges from indoor floor drains to the environment.
10. Excavate contaminated soil from the used oil storage area and properly dispose of it. Prevent future spillage.
11. Open burn only acceptable items such as landscape waste originating at the park. Do not burn lumber, cardboard or other debris. Keep burn piles in designated area and be mindful of the department's open burning regulations.
12. Properly dispose of unusable items located in the "boneyard" and store reusable items neatly. Properly dispose of used tires.
13. Continue to work at cleaning up old dump sites.
14. Post up-to-date emergency response phone numbers (police, fire, county emergency management coordinator, DNR spill response, etc.) in a prominent location.