

Overall Management Philosophy & Documentation				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Has management demonstrated that the environment is an important part of their responsibilities by initiating the GEM Planning process?			
2	Has the golf course adopted and posted an Environmental Policy?			
3	Is the GEM Plan underway or completed, available, and updated regularly?			
4	Is a map of the property highlighting environmental opportunities or constraints such as wildlife habitat, water resources, sensitive landscapes, special management zones, etc. posted for customers?			
5	Environmental goals, objectives, issues, projects, and progress are evaluated at least annually and are regularly communicated to employees, customers, management, and the local community?			
6	Are written records of water quality monitoring activities, results, and control measures readily available?			
7	Is there an inventory of bird and mammal species documented, maintained, and readily available?			
8	Is there a general understanding of how course management practices may positively enhance or adversely impact wildlife species and their habitats?			
9	Are the environmental impacts of pest control measures such as leaching and runoff potential, toxicity to non-target organisms, soil absorption capacity, pesticide persistence, water solubility, and effects on soil microorganisms and non-target species considered as part of the course management planning process?			
10	Are records of pest treatments employed and their effectiveness maintained and used to guide future pest control decisions?			
	Point totals for each column			

Safety, Training, & Awareness				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	All employees are familiar with the GEM Plan and are trained regularly on the importance of environmental performance and compliance with the goals and objectives of the program?			
2	All appropriate employees are trained to be familiar with USAF, federal, state, and OSHA regulations that apply to storage and handling of chemicals used on the property?			
3	All employees are aware that chemical manufacturing, use, storage, and disposal may pose risks to human health and the environment?			
4	All employees are trained to understand that poor management practices may adversely impact worker health, on- and off-site water quality, local soil health, and wildlife species and their habitats?			
5	A current copy of all Material Safety Data Sheets (MSDS) for all chemicals used anywhere on the golf course property is maintained and readily available for use by employees?			
6	Chemical applicators are encouraged to apply for continuing education programs and receive regular training to maintain currency?			
7	Are all golf course pesticide applicators active participants in the local respiratory and pulmonary function testing program?			
8	Pesticides, fertilizers, and other chemicals are stored on plastic or metal shelving?			
9	Are golfers notified in the pro shop and on the first and tenth tees about the day's planned or recently completed spraying of any chemical or fertilizer that may be hazardous to human health and safety?			
10	Are key staff members trained regarding water quality and conservation issues?			
	Point totals for each column - Response percentage			

Compliance				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Is fuel storage/delivery managed in accordance with federal, state, and local regulations?			
2	Are installation environmental staff members included in on-going course management discussions and plans at regularly scheduled meetings?			
3	Are there regularly scheduled staff meetings to discuss environmental management issues?			
4	Does the director of golf and the superintendent attend ECAMP in-briefings and out-briefings?			
5	Does the director of golf and/or the superintendent coordinate with installation environmental staff on the various management plans that affect or include the golf course?			
6	Have all necessary permits been updated and their requirements satisfied in a timely manner?			
7	Has appropriate impact analysis (NEPA) been performed on all proposed actions on or affecting the golf course property?			
8	Are containers used to store used oil in good condition, not leaking, and clearly labeled?			
9	Are oil/water separators operating properly and correctly maintained?			
10	Are projects planned and funded for the next year that would increase the compatibility of the course's management methods with the environment?			
Point totals for each column - Response percentage				

Pesticide Use, Storage, & Handling				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are there trained scouts on staff other than the superintendent to monitor turf and plant health and pest populations using scouting forms to record the type, severity, location, and treatment of pest problems and organized into a report or guide so that they can be used for future pest control solutions?			
2	Are there written pest profiles of common pest species with a variety of potential control measures pre-evaluated including alterations in cultural management, biological, physical, and mechanical controls prior to treating the problem on the course?			
3	Are there established and documented aesthetic and functional thresholds for all managed areas to effectively manage pest populations and reduce chemical use?			
4	Is there a specially designed pesticide mixing area where all mixing occurs by only trained personnel?			
5	Has a list of pesticides and other chemicals stored or used at the golf facility been provided to the appropriate Fire Department(s)?			
6	Is there a written Integrated Pest Management Plan readily available and updated regularly in use at the facility?			
7	Are food storage and prep areas properly cleaned to reduce the likelihood of pest infestations and required pesticide applications?			
8	Are scouting forms collected, processed, and mapped to aid decisions for control?			
9	Are written and readily available records maintained of all applications of pesticides made by certified applicators, including the following? - the quantity of each pesticide used - the chemical or common name of the active pesticidal ingredient(s) (not the product name) - the pest or purpose for which the pesticide was applied - the date and place of application			
10	Is the chemical storage structure/area locked, well-ventilated, fire proof, and access is limited to select personnel?			
Point totals for each column - Response percentage				

Pollution Prevention				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are there designated "no-mow" areas and established "no spray zones" and buffer areas around pond, river, stream, or lake edges and have they been communicated to mower operators and technicians?			
2	A spill containment kit is readily available and spill containment procedures are in place?			
3	Does the chemical storage area have a sealed metal or concrete floor and are all pesticides handled over an impermeable surface?			
4	Does the chemical storage area have a lip along the edges to contain spills?			
5	Are liquid products stored below dry products and are dry materials stored on pallets or shelves to keep them off the floor?			
6	Has the Installation Spill Plan been amended to include the golf course facility?			
7	Are grass clippings blown off equipment with compressed air instead of or prior to washing?			
8	Are gasoline, motor oil, brake and transmission fluid, solvents, and other chemicals used to operate or maintain equipment and vehicles prevented from directly or indirectly entering water bodies?			
9	Does the fuel storage and delivery area comply with local, state, and federal regulations?			
10	Are slow-release fertilizers used to reduce the negative potential for runoff?			
Point totals for each column - Response percentage				

Conservation Practices				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are all motorized golf course equipment checked regularly for excessive air polluting emissions?			
2	Are there designated non-maintained or minimally maintained buffers around core wildlife habitats?			
3	Has the irrigation system or its components recently been upgraded to reduce inefficiency, malfunction, and overall water use?			
4	Has all "non-target" irrigation (ponds, out of play areas, etc.) been eliminated or minimized?			
5	Have flow meters been installed to monitor water use and detect potential waste?			
6	Has the property been examined for critical habitats, threatened or endangered species, wetlands, and floodplains?			
7	Are employees encouraged to minimize their trips around the course to conserve on the use of fossil fuels?			
8	Does the snack bar utilize reusable plates and silverware for use by customers throughout the facility's operating hours?			
9	Have all potential wildlife habitats and their maintenance practices been coordinated with the installation BASH officer and environmental management personnel?			
10	Are recycling containers conveniently provided for customer and employee use throughout the golf course facility?			
Point totals for each column - Response percentage				

Water Resources				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are water features regularly monitored for algae, erosion, excessive aquatic plant growth, fish kills, and sedimentation?			
2	Wash and wastewater is kept from making direct contact with surface water and is recycled or allowed to filter through a vegetative area when cleaning and maintaining equipment?			
3	Outdoor irrigation of non-golf course areas and indoor plumbing are regularly monitored and maintained for leaks?			
4	Has the golf course staff been provided with stormwater management planning requirements from the installation's environmental staff?			
5	Have part circle irrigation heads been installed where possible to preserve water resources and reduce maintenance while minimizing potential negative impacts to surrounding natural areas?			
6	Are all water feature maintenance tasks coordinated with the installation natural resource manager and bird/wildlife aircraft strike hazard officer?			
7	Has the irrigation system been completely checked for proper water distribution in all irrigated areas and are water leaks fixed in a timely manner?			
8	Are the parking lots for customers and employees at least partially constructed with permeable surfaces and are they drained through an area of turfgrass or vegetation prior to discharge into a water feature?			
9	Does the facility have a Drought Management Plan written, ready, and available when, or if, irrigation restrictions may be instituted?			
10	Are water quality problems immediately reported to supervisors or regulatory agencies (if required) for appropriate action?			
	Point totals for each column - Response percentage			

Maintenance Practices				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Is contour mowing used to conserve fuel and increase playability and aesthetics?			
2	Are there designated non-maintained or minimally maintained buffers around core wildlife habitats?			
3	Are green, tee, and fairway mowing heights maintained at reasonable levels without continually stressing turf or maximizing chemical inputs?			
4	Are there regular procedures in place to continually improve soil health such as organic amendments, aeration, and drainage?			
5	Is there a map of the course's "hot spots" requiring special care or regular attention?			
6	Is all maintenance equipment maintained and cleaned in a manner that eliminates the potential for spreading of contamination?			
7	Has there been a complete examination for potential negative environmental impacts of all aspects of the operation including snack bar/grill, clubhouse, pro shop, and maintenance complex?			
8	Are green, tee, and fairway mowing heights maintained at reasonable levels without excessively stressing turf?			
9	Have all playing surfaces been inventoried and mapped for soil types including soil structure, nutrient levels, organic content, compaction, and water infiltration?			
10	Are soil tests and plant tissue analysis used to determine nutritional requirements?			
Point totals for each column - Response percentage				

Customer Relations & Education				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are the course manager and superintendent involved in a long-term customer educational program that is regularly updated and documented?			
2	Is there a conveniently located and highly visible place at the course or clubhouse where golf course environmental management notices and informational messages are regularly posted?			
3	Do the course manager and superintendent actively communicate with customers to determine and document their points of view?			
4	Is there active and regular communication with the Golf Council, Civil Engineering, Environmental Management, the Services manager, and commanders by course management?			
5	Are there warning signs posted near parking lots to make highly sensitive individuals aware of the potential danger to their health and are all state posting requirements being met?			
6	Is there consistent and attractive signage around the course and grounds that would increase the awareness of the average golfer to the environmental management practices employed?			
7	Are there signs appropriately located to warn golfers of hazards when drinking reclaimed or otherwise non-potable water?			
8	Are there interpretive signs posted to highlight key habitats or have appropriate areas been designated "Environmentally Sensitive Zones" per USGA rules?			
9	Are course staff members trained regularly on how to improve their dealings with customers?			
10	Are there clinics provided to teach beginning golfers the basics of the game and to teach all levels of golfers the rules of the game?			
	Point totals for each column			

Miscellaneous Special Projects & Activities				
#	Environmental Compatibility Indicator	Yes	Partial	No
1	Are there projects planned and funded for the next year that would communicate the compatibility of the course's management methods with protection of the environment?			
2	Are there projects planned and funded to reduce the course's potential negative environmental impacts?			
3	Are there tournaments planned that may increase awareness of the facility's specific environmental-challenges?			
4	Are there field trips for local students or other local community groups hosted at the course?			
5	Are there projects planned to eliminate or minimize a potential erosion problem?			
6	Does the course have a native tree installation program complete with planting plan and maintenance schedule?			
7	Are any of the local schools or universities involved in educational or research activities at your course?			
8	Are there special facility-wide recycling programs underway?			
9	Is your course an active participant in the USAF Golf Environmental Management Program?			
10	Has your facility been nominated by your MAJCOM for the golf course environmental management award in the last 3 years?			
	Point totals for each column			

ECQ Summary

#	Environmental Compatibility Quotient Category	Yes	Partial	No
1	Overall Management Philosophy & Documentation			
2	Safety, Training, & Awareness			
3	Compliance			
4	Pesticide Use, Storage, & Handling			
5	Pollution Prevention			
6	Conservation Practices			
7	Water Resources			
8	Maintenance Practices			
9	Customer Relations and Education			
10	Miscellaneous Special Projects & Activities			
	Composite points & response percentage			

GCEBA Results

* _____ Golf Course, _____ AFB, __
 - Actual ECQ (# of "Yes") =
 - Potential ECQ (Actual ECQ plus "Partial") =