



COMPASS



JULY 2018

July is officially Hurricane Season! This issue includes information on preparing for summer storms, a link to SCEMD's 2018 Hurricane Guide, and the Dam Safety Program's 24-7, on call phone number. If you have questions or topic suggestions, please email sprolemr@dhec.sc.gov.

What is Compass?

Compass is a program designed to help you find information to better understand regulations and how to be in compliance with their requirements.

This newsletter includes hyperlinks, or shortcuts, to specific areas within the S.C. Department of Health and Environmental Control (DHEC), the U.S. Environmental Protection Agency (EPA) and other environmental and government entities. The hyperlinks will connect you to useful information such as forms and instructions, contacts, training opportunities, outreach, on-site technical assistance, financial assistance and much more.

Visit for www.scdhec.gov/Environment/ECompass-News/ additional resources and information.

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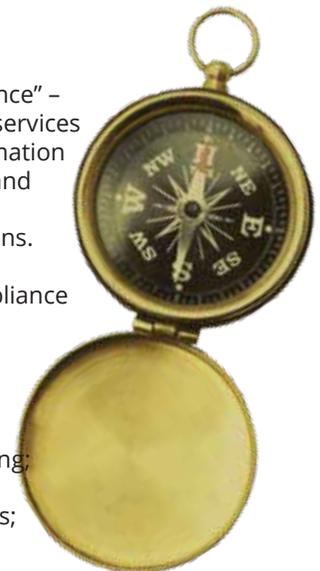
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What does Compass provide?

Compass provides "compliance assistance" – activities, tools or technical assistance services that include clear and consistent information to help individuals, business, industry and government understand and meet – or surpass – their environmental obligations. DHEC partners with other providers of assistance to develop and deliver compliance assistance.

Compliance assistance activities may include:

- on-site assistance;
- workshops, conferences and training;
- telephone assistance;
- booklets, fact sheets and brochures;
- web-based information;
- special mailings; and
- information on financial assistance.



Compliance assistance is a part of DHEC's commitment to customer service, and includes activities such as public education and outreach, permitting, compliance and enforcement. The compliance assistance process is not intended to delay a timely and appropriate return to compliance by a regulated entity.

"Compliance incentive" means activities and programs that encourage or reward facilities for voluntary efforts to improve environmental performance or to go "beyond compliance" through the use of pollution prevention, environmental management practices, and innovative technologies.

"Compliance assurance" is the means by which it is determined whether regulated entities are in compliance with environmental requirements. Compliance assurance activities include inspections, sampling, testing, continuous monitoring, reporting and record keeping.

Bureau of Air Quality

Air Permitting Division Updates

- Organizational Name Change: The Engineering Services Division has officially changed its name to better reflect the services we provide. We are now the Air Permitting Division directed by Steve McCaslin, P.E.
- Operating Permit Search App: Can't put your hand on your operating permit? You can now download a copy from the DHEC website. Using [SC DHEC Air Permit Coverage](#), you can search by facility name, city, county, and permit type. Search results include permit number, air permit contact, and permit (pdf format). Advanced search options include searching for all operating permits within five (5) miles of a specific location.

Emergency Generators (Engines)

Do you have an emergency engine? If you answered yes, you may have air quality regulatory requirements even if you are exempt from obtaining a state air quality permit. The Environmental Protection Agency (EPA) regulates [stationary engines](#) (emergency engines and fire pumps are included in this) at large and small facilities. Requirements are based on the following:

- Is the engine "new or existing" by EPA definition?
- Is the engine an emergency engine by EPA's definition?
- Is the engine a compression ignition or spark ignition engine?
- Is the engine used for peak shaving?

Most emergency engines only have a few requirements. However, some emergency engines and non-emergency engines may have other [compliance requirements](#) such as: emission performance tests, operation/maintenance requirements, and compliance reports. For additional information, contact Neshia Wright by phone at 803-898-0844 or by email at wrightnm@dhec.sc.gov.

New Surface Coating Permits

SCDHEC is introducing Registration, General State Operating, and General Conditional Major Operating Permits for surface finishing facilities. Activities covered under these permits include, but are not limited to:

- Coatings application and cleanup
- Abrasive blasting
- Welding
- Miscellaneous activities such as cutting, grinding, etc. associated with coatings operations.

Advantages of these permits include simplified application and permit issuance and standardized permit conditions providing consistency across industry sectors. For further information, contact Phyllis Copeland by phone at 803-898-0415 or by email at copelapt@dhec.sc.gov.

BAQ Technical Management Section Provides Quality Compliance Support



Want to make reporting and record keeping simple? We provide guidance documents and compliance assistance tools on our DHEC webpage to make monitoring and record keeping easy for you. Please visit our page for our updated Title V Annual Compliance Certification guidance.

For more information, visit <http://www.scdhec.gov/Environment/AirQuality/ComplianceandReporting/ComplianceReporting/ReportingGuidance/>



2018 Spare the Air Award Winners

Congratulations to the 2018 Outstanding Individual Spare the Air Award recipient, **Mary Ann Deku**, of the Spartanburg County League of Women Voters and the Natural Environment Coalition of the Spartanburg Indicators Project!

In 2014, the Spartanburg County Foundation designated a Natural Environment Coalition within the Spartanburg Community Indicators Project. The Spartanburg County League of Women Voters participated in the Natural Environment Coalition and selected air quality as a focus.

The Coalition's goal was to initiate an anti-idling campaign in all seven school districts in Spartanburg County, to help keep the air around schools healthy and inform school children and the public about the health benefits of not idling.

2018 Spare the Air Award Winners (Cont.)

Under the leadership of Mary Ann Deku, the coalition partnered with the "Breathe Better" Anti-Idling Campaign, sponsored by the South Carolina Department of Health and Environmental Control's Bureau of Air Quality.



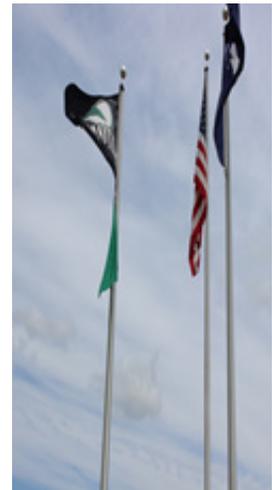
Mary Ann Deku

Sixteen Spartanburg County schools have been recruited to participate in the Breathe Better Campaign, and two additional schools to the Air Quality Flag Program. Of the schools that conducted an idling vehicle count as part of their anti-idling campaign there was a 40 percent reduction in idling among cars and a 54 percent reduction in idling among school buses. The Breathe Better Anti-Idling Campaign collaboration has also opened the door to other collaborations, including a vegetable garden at Carlisle Foster's Grove Elementary.

Congratulations to the 2018 Outstanding School Spare the Air Award recipient, River Bluff High School!

River Bluff High School has participated in the Breathe Better/Air Quality Flag program for the past three years. Science teacher Amy Price leads the campaign for better air quality at the school. The students test the air in school for particulate matter, ozone levels both outside and inside the school building, and make up recycled can plants for every classroom. The school participates in the Green Steps Program to learn more about air quality projects going on in other schools. River Bluff High School students check the Air Quality Index at airnow.gov every morning and usually celebrate good air quality by raising a green flag.

RBHS students also make plastic bag mats for the homeless and have a very active school recycling program. In addition, the school is in the process of building a greenhouse and buying two refillable water bottle stations.



A special "thank you" goes to Caleb Thompson (left) for hanging the air quality flag outside the front of the school each day.



From left to right: Troy Hannah (The Spartanburg County Foundation President & CEO), Mary Ann Deku (Spartanburg County League of Women Voters), Amy Curran (SC DHEC), Linda Bilanchone (Natural Environment Coalition, Spartanburg Community Indicators Project).



From left to right: Amy Price (RBHS Science teacher), Caleb Thompson (RBHS Senior /Environmental Club member), Robbie Brown (SC DHEC), Amy Curran (SC DHEC), Dr. Jacob Smith (RBHS Assistant Principal), Jane Hiller (Sonoco-Green Steps Program Coordinator).

Bureau of Land & Waste Management

UST Regulation Revisions. What does that mean for owners?

Revisions to the South Carolina Underground Storage Tank (UST) Control Regulations became effective on May 26, 2017. The amended regulations incorporate new federal requirements, maintain South Carolina Regulations in place since 2008, and incorporate and/or revise items specific to South Carolina facilities. The overall contents were reorganized for clarity and consistency with the format of the federal regulations. An electronic copy of the regulations and associated information has been published on the Department's website at www.scdhec.gov/environment/LW/UST/Regulation/.

The following requirements were effective May 26, 2017:

- A release must be reported to DHEC within 24 hours of its discovery [280.50].
- Submittal of a written notification within 30 days is required for the following:
 1. Intent to permanently close, make a change-in-service or replace previously installed piping and dispensers. (A change-in-service is switching from a non-regulated substance to a regulated substance or switching from a regulated substance to a non-regulated substance [280.71 (a-c)]. NOTE: A regulated substance includes a substance greater than 10 percent ethanol, greater than 20 percent biodiesel or any other regulated substance identified by DHEC. [280.32(b)].
 2. An ownership change of a regulated UST system [280.22(b)].
- Vent line flow restrictors (Ball Float Vent Valves) can no longer be installed, either at new facilities or at any existing facilities. Ball Float Vent Valves that cannot be repaired according to the manufacturer's specifications install another approved method of overfill prevention [280.20(c) (3)].
- Demonstrate compatibility of the UST system with the product being stored [280.32(b)].
- Within 30 days after repair, overfill prevention equipment must be tested for proper function, and spill containment and secondary containment areas of tanks and piping used for interstitial monitoring must be tested for tightness [280.33(d) & 280.33(f)].
- Internally lined tanks that fail the internal lining inspection and cannot be repaired in accordance with nationally recognized code of practice must be permanently closed [280.21(b)(1)(ii)].
- All facilities conducting monthly groundwater and vapor monitoring for release detection must have a valid site assessment. All site assessments developed after May 26, 2017 must be signed by a Professional Engineer (P.E.), Professional Geologist (P.G.) or equivalent licensed professional with experience in environmental engineering, hydrology or other relevant technical discipline [280.45(a)].
- Certificates of Financial Responsibility (DHEC-3472) must be updated annually and kept on file, but will no longer be required at a Compliance Inspection [280.111(b)(8)].

The following requirements will be effective May 26, 2020:

- Records of site assessments for groundwater and vapor monitoring must be on file by May 26, 2020 [280.45(a)].
- For A/B operators who were certified prior to May 26, 2017, supplemental training must be completed [280.43(a)].
- A one-time notification of existence is required for airport hydrant fuel distribution systems and UST systems with field constructed tanks [280.251(a)(2)(i)]. *Refer to Subpart K
- Release detection is required for emergency generator tanks permitted before May 23, 2008 [280.10(a)(1)(ii)].
- Spill prevention equipment and containment sumps used for interstitial monitoring must be tested once every three years [280.35(a)(ii)] (or use a double-walled containment sump/spill bucket with monthly interstitial monitoring). The initial test must be conducted before May 26, 2020 [280.35(b)(1)].
- Conduct walkthrough inspections that will visually check for damage to the spill prevention equipment and release detection equipment every 30 days [280.36(a)(1)(i)].
- Conduct walkthrough inspections that will visually check for damage to the containment sumps and hand-held release detection equipment annually [280.36(a)(1)(ii)].
- Release detection equipment must be tested for proper operation at least annually [280.40(a)(3)].
- Overfill prevention equipment must be inspected at least once every three years [280.35(a)(2)]. The initial test must be conducted before May 26, 2020 [280.35(b)(1)].

UST Operator Supplemental Training

All previously trained A/B operators must take the supplemental training by May 26, 2020. All new A/B operators must take the on-line training within 30 days of assuming duties. Learn more at <http://www.scdhec.gov/Environment/LW/UST/PC/RequiredOperatorTraining/>. Click Register, complete the required information and choose Supplemental Training on the right side of the screen.

Forms

All testing and equipment checks are required to be documented on a DHEC form, a DHEC-approved form or in a format approved by DHEC. If you choose your own form, please submit it to DHEC for prior approval. Underground Storage Tank forms can be found at <http://www.scdhec.gov/Environment/PermitCentral/Application-Forms/>.

Solid Waste Act Amended

The S.C. Solid Waste Policy and Management Act of 1991 (Act) was amended on May 3, 2018, creating a solid waste emergency fund as well as addressing issues on construction and demolition debris, demonstration of need and zoning. Key takeaways are listed below. Click [here](#) to review the entire text of the revisions.

Solid Waste Emergency Fund

The fund is designed to address a "substantial release or threat of substantial release into the environment of any pollutant or other circumstances" from a solid waste facility that may present an imminent threat to human health and the environment. DHEC is required by the revision to transfer 2.5 percent of the Solid Waste Management Trust Fund on a quarterly basis until a maximum \$1.5 million is accumulated in the emergency fund.

Solid Waste Act Amended (Cont.)

This funding can be used by the DHEC director to authorize the agency to take emergency actions or enter into a contract to perform emergency actions. The attorney general or DHEC are required to take all reasonable actions to recover costs for expenditures made from the emergency fund. Recovered costs must be deposited in the Solid Waste Emergency Fund.

Construction and demolition (C&D) debris

The biggest changes to the Act focus on C&D debris recyclers and processors. No later than 60 days after the amendment goes into effect, all unpermitted C&D debris recycling facilities that were in existence prior to or on May 3, 2018 must:

- Register with DHEC (by July 2, 2018). The registration form for C&D debris recyclers and processors is available [here](#). If there are questions concerning registration, email DHEC's Solid Waste Permitting section;
- Submit a permit application within 12 months of the effective date of this amendment (by July 2, 2019); and
- Obtain a permit within 24 months of the effective date (July 2, 2020).

All C&D debris recycling facilities are required to register with DHEC, but are exempt from obtaining a permit only if the facility meets all of the requirements from one of the two following exemptions:

Exemption 1:

- All material accepted at the facility is separated and sorted by material type at the point of generation or at a permitted solid waste management facility;
- At least 75 percent of the total weight of each separated material type received during a calendar year and remaining on site from a previous year is used, reused, recycled or transferred to a different site for reuse, or recycling; and
- The recovered material is managed in a manner to demonstrate that it has value and is stored in such a way to protect from theft, degradation, contamination or other harm.

Exemption 2:

- At least 75 percent by weight of all material received at the facility each calendar year is recycled; and the facility is located on a tax parcel of not more than two acres.

All registered C&D debris recycling facilities must submit an annual report to DHEC. The report must include the total amount by weight of:

- each separate recovered material type received at the facility during the calendar year;
- each recovered material type that remained on site at the close of the previous year;
- each recovered material that is used, reused, recycled or transferred to another site for reuse, or recycling during the calendar year and the location of the other site; and
- the amount of solid waste removed and disposed of during the calendar year and the name and address of the facility where the solid waste was sent.

In addition, facility records must be maintained for no less than three years.

Zoning

The revision transfers authority for making zoning determinations from DHEC to the applicable local government. Applicants must now obtain evidence of compliance with local

zoning, and submit the documentation to DHEC as part of the permit application process.

Demonstration of Need (DON)

The revision limits the DON requirement to only those facilities specified by regulation. The DON regulation applies to commercial Class 2 and Class 3 landfills, commercial solid waste incinerators, and to commercial facilities that process solid waste prior to disposal in a Class 3 landfill.

For more information on these revisions, please contact Jana White at whitejm@dhec.sc.gov.

e-Manifest

EPA has established a national system for tracking hazardous waste shipments electronically. This system will be known as "e-Manifest," and will be launched nationally on June 30, 2018.

SCDHEC adopted the Hazardous Waste Electronic Manifest Act on May 27, 2017, thereby allowing South Carolina to participate in the e-Manifest system. The e-Manifest Act authorizes the EPA to implement a national electronic manifest system and required that the costs of developing and operating the new e-Manifest system be recovered from user fees charged to those who use hazardous waste manifests to track off-site shipments of their wastes.

Generators of hazardous waste will be responsible for developing the e-Manifest document, and the receiving treatment, storage, or disposal facility will be responsible for collecting the fees associated with the e-Manifest system.

By enabling the transition from a paper-intensive process to an electronic system, the EPA estimates e-Manifest will ultimately reduce the burden associated with preparing shipping manifests by between 300,000 and 700,000 hours, saving state and industry users \$75-\$90M annually. Currently, approximately 250,000 manifests are generated on a monthly basis. Benefits of the e-Manifest system include:

- Cost savings;
- Accurate and more timely information on waste shipments;
- Rapid notification of discrepancies or other problems related to a particular shipment;
- Creation of a single hub for one-stop reporting of manifest data for use by EPA and states;
- Increased effectiveness of compliance monitoring of waste shipments by regulators;
- The potential for integrating manifest reporting with Resource Conservation and Recovery Act (RCRA) biennial reporting process and other federal and state information systems; and,
- After a 90 day waiting period, the general public will be able to see manifests within the e-Manifest system.

For further information and FAQ's regarding the requirements on the e-Manifest please visit EPA's e-Manifest specific website at www.epa.gov/e-Manifest.

Award Winners Announced

DHEC's Smart Business Recycling Program recognizes organizations whose work in waste reduction, recycling and organics management have made a significant impact in the state. This year's winners represent a wide range of industries including manufacturers, a hotel and a medical office. Congratulations to the 2018 Smart Business Award Winners. Read about their accomplishments [here](#). If interested in participating, contact Kristen Hare at harekl@dhec.sc.gov for more information.

SC Adopt-a-Stream Citizen Freshwater Volunteer Water Quality Monitoring

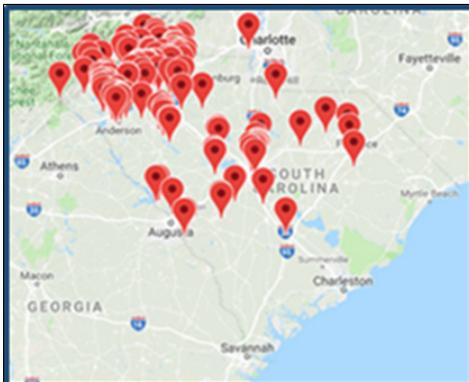
June 2018 marks the one-year anniversary of South Carolina's own statewide citizen science volunteer water quality monitoring program, fashioned after the highly successful and popular Georgia Adopt-A-Stream techniques. The South Carolina Department of Health and Environmental Control (SCDHEC) partnered with Clemson University's Center for Watershed Excellence (CU CWE) to form South Carolina Adopt-a-Stream (SC AAS), a program that promotes water quality awareness and stewardship through education. SC AAS engages citizens in data collection in order to learn more about the health and dynamics of their watersheds.

There are 192 certified volunteers in the SC AAS Program. Sampling is conducted monthly in streams throughout the state for dissolved oxygen, conductivity, pH, E. coli, along with air and water temperature. Many volunteers are also conducting quarterly macroinvertebrate population surveys. Interest and participation in this program continues to grow with additional trainers, volunteers, and sample site locations.

All volunteer collected data is housed in the publicly accessible database located on the SC AAS website: www.scadoptastream.org. Visit the website for more information about the program, including upcoming training events.

One of the features that SC AAS initiated is email alerts when volunteer sample results for *E. coli* are higher than 1000 cfu/100 ml. DHEC receives these alerts, and, if a second sample confirms that result, reaches out at the local level to investigate the cause and possible sources. MS4s, municipalities, and local stormwater management departments can be added to this email alert system if desired. Involvement with the SC AAS Program promotes partnerships in watershed management and can count towards education and outreach permitting requirements. Several municipalities host training events, fund equipment purchases, and have joined the program as volunteer monitors and certified trainers. We welcome the addition of industry, facility, and local government partners in promoting watershed awareness and protection.

Contact: Karin Skipper, 803-898-4187, skippekb@dhec.sc.gov.

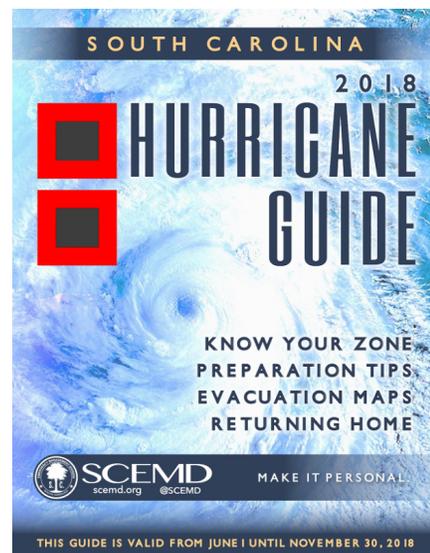


Preparing for Summer

June 1 signals the start of hurricane season in the Atlantic. As witnessed in recent years, tropical weather systems can severely impact dams. When intense rainfall or heavy winds are in the forecast, dam owners should begin making preparations. Likewise, a summer thunderstorm that sits over a drainage basin for an extended period of time can drop 6-8" of rain in a matter of hours. When such an event is forecast or has occurred, dam owners should:

- Evaluate the water level in the pond/lake and determine if water levels can be safely lowered to make room for incoming flows.
- Coordinate with dam owners and/or property owners downstream.
- Routinely clear debris from spillways.
- Review your Emergency Action Plan.
- Keep alert. As the storm passes, watch for rising waters.
- Report any immediate safety concerns to the DHEC Dam Safety Program's 24/7 line at 803-898-1939.

2018 Hurricane Guide



Dam Safety Program

We're On Call



Dam Safety Program Staff are available 24-7 in the event of an emergency situation at **803-898-1939**

Community Star



Nominations for DHEC's COMMUNITY STAR award program are open from May 1 – August 1, 2018. COMMUNITY STAR is an award program that recognizes a business, community organization, collaborative partnership, or individual in South Carolina that is going above and beyond environmental requirements to build better community relationships, promote environmental sustainability and resiliency, and/or improve quality of life for communities.

COMMUNITY STAR categories include Business Star, Collaborative Star, and Rising Star. Award recipients will be announced at DHEC's annual Environmental Assistance Conference, which will be held later in the fall. Last year's COMMUNITY STAR was awarded to the Lower Saluda River Coalition.

Please share information on COMMUNITY STAR with your customers as a way to acknowledge their community involvement. Visit www.scdhec.gov/communitystar or contact Rebecca Sproles at sprolesmr@dhec.sc.gov for more information.

S.C. Environmental Excellence Program Quarterly Update

The South Carolina Environmental Excellence is celebrating 20 years of excellence! Our members represent those companies that are going above and beyond the regulatory requirements and creating a sustainable environment for future generations.

Congratulations to those who have become members or renewed their membership so far in 2018. Memberships are renewable every 3 years.

- SCE&G – Wateree Station (Eastover)
- SCE&G – Urquhart Station (Beech Island)
- Bosch-Rexroth (Fountain Inn)
- BMW Manufacturing Corporation (Greer)
- Glen Raven Custom Fabrics, LLC (Anderson)
- Honda of South Carolina Manufacturing, Inc (Timmonsville)
- FUJIFILM Manufacturing USA, Inc (Greenwood)
- Joint Base Charleston (Charleston)
- Santee Cooper Regional Water System (Moncks Corner)
- Allied Air Enterprises (Orangeburg)
- Bridgestone Americas Tire Operations - PSR Plant (Aiken)
- Bridgestone Americas Tire Operations – Aiken County Off Road Tire Plant (Aiken)
- Freightliner Custom Chassis Corp
- Michelin Spartanburg
- Michelin US8 Starr Plant

Environmental Assistance Conference

ENVIRONMENTAL ASSISTANCE CONFERENCE



Save the Date!

DHEC's Office of Environmental Affairs is excited to announce the 2018 Environmental Assistance Conference on November 7, 2018 at the Columbia Conference Center.

Risk Management Program (RMP) Workshop

The Bureau of Air Quality is hosting a Risk Management Program (Program) workshop at SC DHEC in Peebles Auditorium on October 2, 2018. The workshop is designed to highlight the importance of communication and implementation. Items covered during the workshop will include upcoming changes to the regulation, community relations, preparing for an inspection, emergency response, and elements of the program.

Facilities that have over the threshold amount of a regulated substance are required to prepare and submit a Risk Management Plan (RMP) to the EPA. Two common chemicals subject to the Program are chlorine and anhydrous ammonia. Inspections are conducted at regulated facilities. These inspections include a review of the documentation required as part of the Program. For questions regarding the Program or to sign up for the workshop, please contact us at 803-898-4123 and ask to speak to a member of the RMP Team.



A full list of members can be found on our website at www.scdhec.gov/sceep. For more information, contact Rebecca Sproles, sprolesmr@dhec.sc.gov or 803-898-3139.

About This Newsletter

The "Compass E-Newsletter" is published quarterly by DHEC and is compiled by the Office of Environmental Affairs Administration

EDITOR: Rebecca Sproles & Katherine Yon

CONTRIBUTING WRITERS: Phyllis Copeland, Carol Miller, Don Siron, Karin Skipper, Rebecca Sproles, Jill Stewart, Connie Turner.

LAYOUT/DESIGN: Gregg Glymph & Katherine Yon

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