



Notification Process



Presented by

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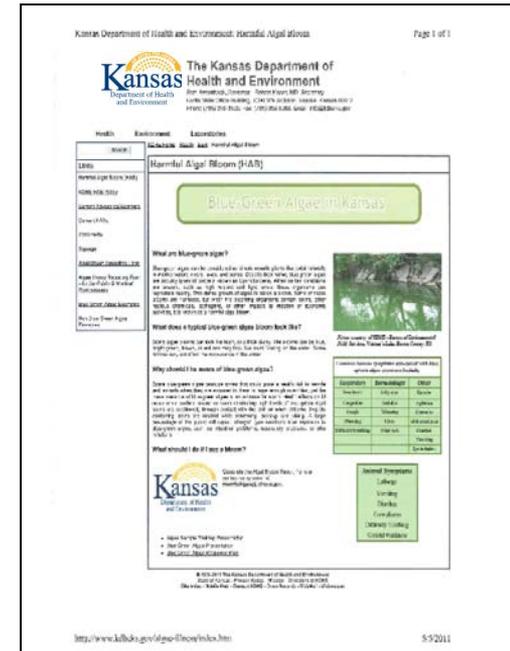
Notification Process

- ▶ KDHE has developed a web site specifically to:
 - Provide general information to the public on HAB's,
 - Make available to the public and lake owners a location where they can notify the responding state agency of their concerns.
- ▶ <http://www.kdheks.gov/algae-illness/index.htm>

Notification Process

▶ HAB Homepage

- KDHE policy
- Current Advisories/Warnings
- Current HABs
- 2010 HABs
- Signage
- Algal Bloom Reporting Form
- Algae Illness Reporting Form
- Blue Green Algae Examples
- Non Blue Green Algae Examples



Notification Process

▶ KDHE Policy

- Describes:
 - What guidelines KDHE will use in determining advisory levels;
 - Who will conduct sampling;
 - What and advisory is based on, and
 - What the distinctions between the advisories are.



Notification Process

▶ Signage

- Shows the various signs available to post at water bodies based on the advisory level.
- Shows suggested locations where signs could be posted.



Notification Process

▶ Public Complaint

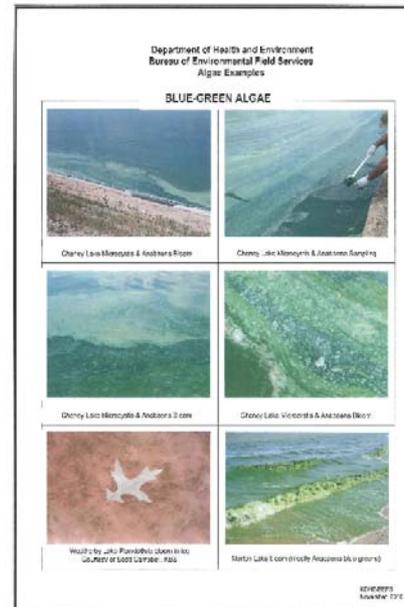
- **All** complaints must go through the complaint form. Either:
 - The HAB visual complaint Form, or
 - The Algae Illness Form

The screenshot shows the 'Harmful Algal Bloom (HAB)' report form. At the top, it features the Kansas Department of Health and Environment logo and contact information. The form is divided into sections for 'General', 'Environment', and 'Laboratory'. The 'General' section includes fields for 'Name', 'Address', 'City', 'State', and 'Zip'. The 'Environment' section includes 'Date of report', 'Where', 'River address', 'City', 'County', 'Day of report', 'Emergency phone #', and 'Email address'. The 'Laboratory' section includes 'Form completed by (name)', 'Are you a representative of a governmental agency with water management responsibilities?' (Yes/No), and 'If Yes, Name of agency', 'Work address of address from above', and 'City'. A URL is provided at the bottom: http://www.kdhe.ks.gov/Division/Health_ofpc_bloom_report_form.htm.

The screenshot shows the 'Algae Illness Reporting Form'. It includes a title and a paragraph explaining the purpose of the form: 'Please use this form to report a bloom or unusual illness or death that you think was related to exposure to blue-green algae. If you have questions about this form, please call TDDOT, Bureau of Epidemiology and Public Health at 785-271-7171 or email us at tdot@kdhe.ks.gov. Thank you for reporting this incident to us. We are working hard to improve the health of all Kansas residents and visitors. Please enter only your date.' Below this, there are fields for 'Date of report', 'Name', 'Street Address', 'City', 'State', and 'Zip'. A section asks 'Are you reporting on a human or animal illness?' with radio buttons for 'Human' and 'Animal'. Another section asks 'Where did the exposure occur?' with fields for 'Name of lake or river', 'Location on the lake or river', 'Time of day (in past)', and 'County'. A final section asks 'Please attach photos (up to three) you have.' with a field for 'Date you were contacted by the follow up?' and 'Date of last response'. Fields for 'Home or cell phone' and 'Work phone' are also present. A URL is provided at the bottom: <http://www.kdhe.ks.gov/Division/Construction/ids/1188009511720>.

Notification Process

- ▶ Algal Pictures
 - Blue-Green Algae Examples
 - Non Blue-Green Algae Examples



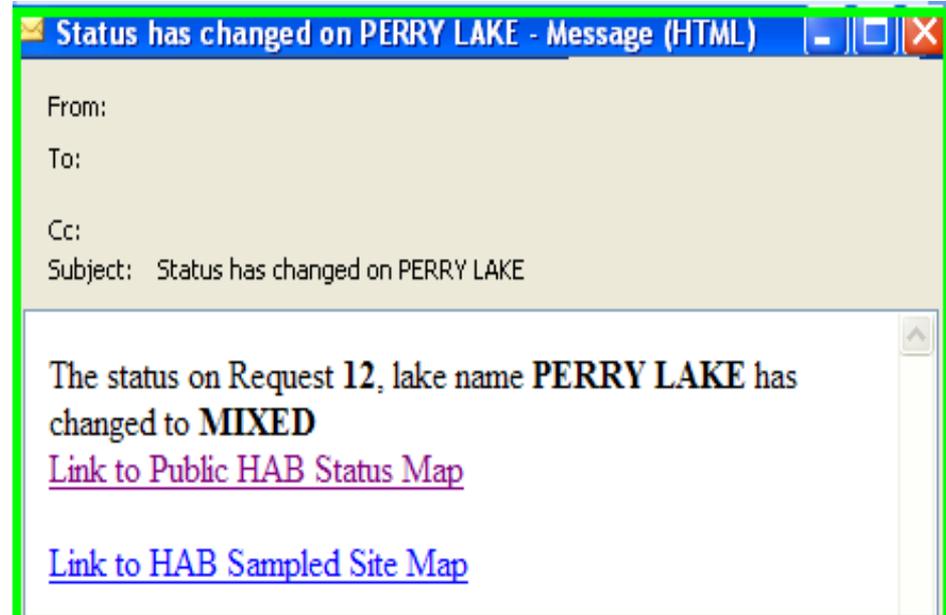
Notification of Results

Our Vision – Healthy Kansans Living in Safe and Sustainable Environments



Notification of results

- ▶ Notification of results: Email from KDHE
 - States status
 - Maps showing results of samples collected.



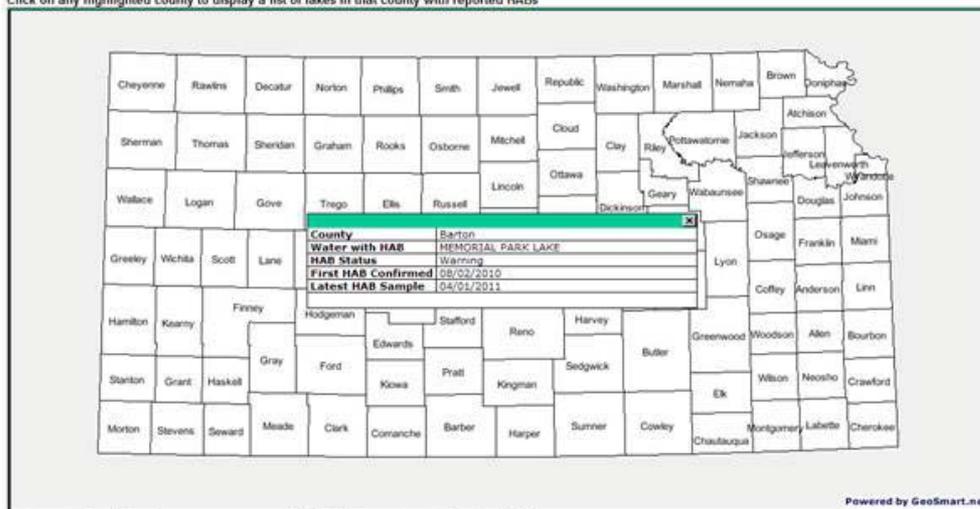
Notification Process

- ▶ Notification of results
 - Link to Public HAB Status Map

Kansas Counties With Public Lakes Under Investigation for Harmful Blue-Green Algal Blooms (HAB)

■ Current advisories/warnings as of 5/12/2011

Click on any highlighted county to display a list of lakes in that county with reported HABs



The above advisories/warnings represent reports of HABs that have been confirmed by KDHE.

Kansas lakes and streams are NOT annually tested for HABs.

Notification Process

► Notification of results

- Link to HAB Sampled Site Map
 - Report will show sample results
 - Status field will remain blank until the 1st round of sampling has been completed.

HAB SAMPLE RESULTS MAP VIEWER ... Lake Web Viewer to identify, export and print HAB Sample Biological Results. The 2010 data is also available. Note: Sample point will only appear if linked to HAB Results.

Print Map
Restart
Identification
Identify All
Navigation
Zoom In
Zoom Out
Zoom Full
Previous
Pan
Click on Lake to zoom & list all samples
HAB LAB DATA LIST

HAB SAMPLE RESULTS MAP VIEWER ... Lake Web Viewer to identify, export and print HAB Sample Biological Results. The 2010 data is also available. Note: Sample point will only appear if linked to HAB Results.

Print Map
Restart
Export
Identification
Identify All
Navigation
Zoom In
Zoom Out
Zoom Full
Previous
Pan
Click on Lake to zoom & list all samples
HAB LAB DATA LIST
Layers
Legend
Attributes

HAB 2011 Sample Site	
Sample Date	07/12/2011
Lake Name	PEREY LAKE
Lake Sample Site	14802004
Unique Sample ID	1480200420110712142000.1
Total Cell Count (cell/ml)	102,000
Count Ric. Algae (cell/ml)	102,000,000
% BlueGreen	100.00
% BlueGreen remark	
ELISA microcystin (ppb)	1.700
ELISA remark	
ALGAE_ID	188

HAB 2011 Sample Site	
Sample Date	07/12/2011
Lake Name	PEREY LAKE
Lake Sample Site	14802004
Unique Sample ID	1480200420110712142000.1
Total Cell Count (cell/ml)	102,000
Count Ric. Algae (cell/ml)	51,201,687
% BlueGreen	50.20
% BlueGreen remark	

Notification Process

- ▶ Notification of results
 - HAB Lab Data by Lake

HAB SAMPLE RESULTS MAP VIEWER ... Lake Web Viewer to identify, export and print HAB Sample Biological Results. The 2010 data is also available. Note: Sample point will only appear if linked to HAB Results.

1 Click Tool

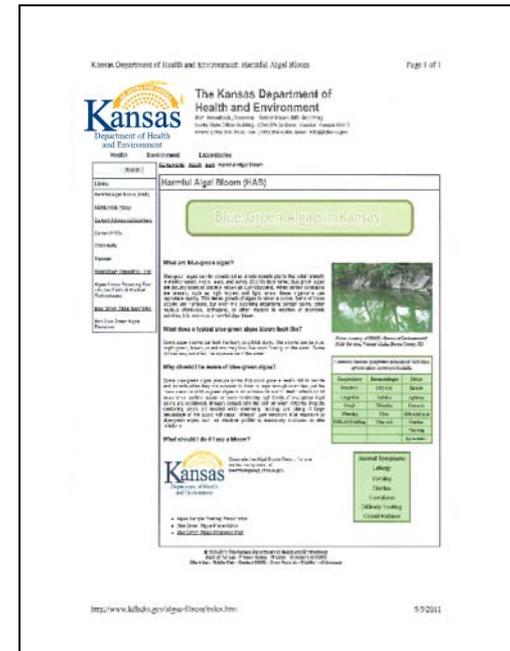
2 Click Lake ID

3 Review Table

Sample Date	Lake Name	Lake Sample Site	Unique Sample ID	Total Cell Count (cells/ml)
07/12/2011	PERRY LAKE	LMQ290AB	LMQ290AB0110712143000.1	102.06
07/25/2011	PERRY LAKE	LMQ290A3	LMQ290A30110725111200.1	17.01
07/12/2011	PERRY LAKE	LMQ290AC	LMQ290AC0110712141000.1	47.75
07/12/2011	PERRY LAKE	LMQ290AD	LMQ290AD0110712144000.1	52.64
07/12/2011	PERRY LAKE	LMQ290AE	LMQ290AE0110712133000.1	29.16
07/12/2011	PERRY LAKE	LMQ290AF	LMQ290AF0110712122000.1	281.19
07/18/2011	PERRY LAKE	LMQ290AA	LMQ290AA0110718103500.1	42.21
07/18/2011	PERRY LAKE	LMQ290AB	LMQ290AB0110718102300.1	11.34
07/18/2011	PERRY LAKE	LMQ290AD	LMQ290AD0110718130000.1	2.52
07/18/2011	PERRY LAKE	LMQ290AF	LMQ290AF011071814700.1	45.17
07/18/2011	PERRY LAKE	LMQ290AG	LMQ290AG0110718104500.1	34.65
07/18/2011	PERRY LAKE	LMQ290AH	LMQ290AH011071812500.1	11.34
07/18/2011	PERRY LAKE	LMQ290AI	LMQ290AI011071813000.1	11.04
07/25/2011	PERRY LAKE	LMQ290A3	LMQ290A30110725102100.1	13.41
07/25/2011	PERRY LAKE	LMQ290AA	LMQ290AA0110725104000.1	15.11
07/25/2011	PERRY LAKE	LMQ290AB	LMQ290AB0110725103000.1	3.15
07/25/2011	PERRY LAKE	LMQ290AD	LMQ290AD0110725101700.1	63
07/25/2011	PERRY LAKE	LMQ290AF	LMQ290AF0110725113000.1	7.37
07/25/2011	PERRY LAKE	LMQ290AG	LMQ290AG0110725102500.1	3.15
07/25/2011	PERRY LAKE	LMQ290AH	LMQ290AH0110725101000.1	7.56

KDHE HAB Web Site

- KDHE policy
- **Current Advisories/Warnings**
- **Current HABs**
- **Historical HABs**
- Signage
- Algal Bloom Reporting Form
- Algae Illness Reporting Form
- Animal Illness Reporting Form
- Blue Green Algae Examples
- Non Blue Green Algae Examples
- Animal Health
- Private Water bodies



Notification Process

▶ Current Advisories/Warnings

- Describes what current water bodies in the state are currently under a “Warning” or “Advisory”.

Kansas Department of Health and Environment. Harmful Algal Bloom Advisory/Warning... Page 1 of 1

The Kansas Department of Health and Environment logo is displayed at the top left. To its right, the text reads: "The Kansas Department of Health and Environment", "Sally Bruner-Nease, Governor - Robert Hoover, MD, Secretary", "One State Office Building, 1120 SW Jackson, Topeka, Kansas 66612", "Phone: (785) 281-1500, Fax: (785) 283-8282, Email: info@kdheks.gov".

Navigation tabs are located below the header: "Health", "Environment", "Laboratories".

The main content area is titled "Harmful Algal Bloom (HAB)". A prominent orange button with the text "Current Advisories/Warnings" is centered in this area.

Below the button, there are two large boxes. The left box is labeled "WARNING" and contains the text: "• Votawan's Lake (Vernon) Park Lake, Great Bend". The right box is labeled "ADVISORY" and contains the text: "• No advisories at this time."

The footer of the page contains the URL "http://www.kdheks.gov/algae-illness/dgnc_advisories.htm" and the date "3/5/2011".

KDHE HAB Web Site

➤ Historical HABs

- Shows a map with those counties and lists water bodies that have had “Advisories” or “Warnings”.
(Highlighted in green.)

