Jordan Nutrient Strategy Implementation Timeline - Revised 8-20-09

Assumed Effective Date (Aug 11)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 & Beyond

0.0264 Agriculture

Producers

Producers implement to collectively meet goals - No individual requirements - First 6 yrs after e.d.

Maintain reductions or additional implementation as determined by EMC w/n 9 years of e.d. | Maintain rdctns ->

WOC/LAC

WOC to dvlp account'g method and submit to EMC/WQC w/n 24 mo of e.d.

WOC implement, provide WQC initial assessment - w/n 3 yr of e.d.

* LAC submit strategies to WOC - w/n 46 mo of e.d
Indvl operat'ns to register w/ LAC - w/n 48 mo of e.d.

Per initial assessment, WOC may form LAC* (w/n 39 mo of e.d.) and implement as needed - w/n 6 yr of e.d

WOC to submit annual reports to DWQ annually - beginning 6 yr after e.d. ->

0.0265 Stormwater, New Development

DWQ submit model pgm to EMC - w/n 18 mo of e.d.

LGs submit pgm to DWQ[1] - w/n 6 mo after model approval

EMC approves local pgm[1] - w/n 15 mo after model approval

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***LGs adopt and implement pgm to regulate nutrient loading from new developmen[t] - w/n 3 mo of EMC approval of LGs local pgm -

LGs submit annual reports to DWQ

S.L. 2009-216 Stormwater, Existing Development

DENR, LGs, and NPOs maintain ongoing monitoring program ->

DENR to report results of monitoring to ERC on March 1, 2014 - update report every 3 years ->

1 | 2 | * *LGs adopt and implement Stage 1 programs - w/n 3 mo of approval of program - submit annual report ->

3 | 4

1. LGs submit Stage 1 program to EMC - by Dec 31, 2009
2. DWQ recommend EMC approval or disapproval of Stage 1 pgm - w/n 6 months of submission of pgm
3. Secretary to establish Scientific Advisory Board - by July 1, 2010
4. SAB to identify strategies; evaluate feasibility, costs, and benefits; dvlp accounting system; and identify need for improvement or refinement of models and other analytical tools - by July 1, 2012

a | b | c

a. DENR submit model Stage 1 pgm to EMC - by July 1, 2013
b. Final approval by Commission - by December 31, 2013

d | e | * *LGs adopt and implement Stage 2 pgm - w/n 3 mo of EMC approval of Stage 2 pgm - Submit annual reports>

f | g | h | * *LGs adopt and implement Stage 2 pgm -> - w/n 3 months of approval Submit annual reports ->

If water quality stds not met:

c. DENR to notify LGs if UNH arms did not achieve WQ goals (March 2014)
d. Affected LGs must submit Stage 2 pgm to EMC - w/n 6 mo of receiving notice
e. DENR recommend approval of programs to EMC - w/n six mo of submission of local pgm
f. DENR to report results of monitoring to ERC - March 1, 2017 - Notify Haw, LNH and/or UNH LGs if achievements not met
g. UNH, Haw, and /or LNH LGs submit Stage 2 pgm to EMC - w/n 6 months of receiving notice to develop/implement Stage 2 pgm
h. DENR recommend approval of program to EMC - w/n six months of submission of program

0.0267/ 0.0268 Riparian Buffer Protection / Mitigation

DWQ implements pgms for state, local, interlocal, agriculture, forestry, appeals, and where no local programs exist - beginning e.d.

* | ** | *** | **** ****LGs adopt and implement local riparian buffer protection ordinances - w/n 2 mo. After EMC's approval of local buffer pgm

*DWQ submits model local riparian buffer protection ordinance to EMC - w/n 2 months of e.d.

** LGs submits local pgms to DWQ - w/n 6 months after EMC's approval of model local buffer protection ordinance

***EMC approves local buffer pgms - w/n 1 yr. of EMC's approval of local model buffer pgm

0.0269 Buffer Mitigation Fees to EEP

Per-acre rate adjusted annually in July - Beginning e.d.

0.0270 Wastewater

* *Director notify permittees of the Individual N & P allocations and of DWQ's intent to modify NPDES permit - w/n 45 days of the e.d.

Dischargers meet P allocations and maintain - beginning 1st full calendar yr after e.d.

Dischargers submit report to DWQ proposing N optimization measures - w/n 6 mo of e.d.

Dischargers implement measures - w/n 6 mo of DWQ's approval of report[1]

Dischargers submit annual progress report to DWQ - beginning 1 yr after DWQ's approval of optimization report and continuing through 5th yr after .e.d. [1]

Meet N allocations and maintain- beginning 2016

0.0271 / H.B. 1099 SW State/ Federal

NCDOT

New Non-Roadway Dvlp

DOT submit new dvlp stormwater management pgm to Division -w/n 30 mo of e.d

EMC approves sw pgm -w/n 40 mo of e.d.

DOT implement new dvlp sw management pgm - w/n 42 mo of e.d.
DOT submit annual reports ->

New Roadway Dvlp

DWQ implements buffer protection requirements of Rules .0267 and .0268 for new and widening DOT roads - upon e.d.

DOT submit annual reports ->

Non-NCDOT New Dvlp

DWQ submits accounting method to EMC - w/n 18 mo of e.d.

Entities develop and submit SW management plans for new development projects - upon EMC approval of accounting method ->

a | b | c

a. DENR submit adaptive management pgm to EMC - by July 1, 2013
b. Approval by Commission - by December 31, 2013

d | e | * *S/F Entities adopt and implement adaptive management pgm - w/n 3 mo of EMC approval of pgm - Submit annual reports>

f | g | h | * *LGs adopt and implement Stage 2 pgm -> - w/n 3 months of approval Submit annual reports ->

If water quality stds not met:

c. DENR to notify S/F entities if UNH arm did not achieve WQ goals (March 2014)
d. Affected S/F must submit adaptive management pgm to EMC - w/n 6 mo of receiving notice
e. DENR recommend approval of programs to EMC - w/n six mo of submission of local pgm
f. DENR to report results of monitoring to ERC - March 1, 2017 - Notify Haw, LNH and/or UNH LGs if achievements not met
g. UNH, Haw, and /or LNH S/F Entities submit adaptive management pgm to EMC - w/n 6 months of receiving notice
h. DENR recommend approval of program to EMC - w/n six months of submission of program

0.0272 Fertilizer Mngt

Fertilizer Applicators

Applicators fully implement rqmts - take training or follow approved plan - w/n 3 yrs of e.d. | Maintain ->

Waste Applicators

New permit renewals for application of residuals and septage shall comply with Rules - beginning at e.d.

Existing residual and septage permit renewals for application of residuals and septage shall comply with Rules - beginning 1 yr after e.d.

Application other than residual and septage shall comply with Rules - beginning 3 yr after e.d.

0.0273 Trading Options

Available beginning e.d. pursuant to DWQ approval ->

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[1]Date hinges on preceding implementation step in rule