OMB APPROVAL

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# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

# FORM 12b-25

### NOTIFICATION OF LATE FILING

			NOTH TOMEON OF ENTET LEMO					
(Check o	one):	☐ Form 10-K ☐ Form	n 20-F □ Form 11-K ☑ Form 10-Q □ Form 10-D □ Form N-SAR □ Form N-CSR					
		For Period Ended:	March 31, 2011					
	☐ Transition Report on Form 10-K							
		☐ Transition Report or	n Form 20-F					
		☐ Transition Report or	n Form 11-K					
		<ul> <li>□ Transition Report on Form 10-Q</li> <li>□ Transition Report on Form N-SAR</li> </ul>						
	d Ended:							
N	othing		ruction (on back page) Before Preparing Form. Please Print or Type. onstrued to imply that the Commission has verified any information contained herein.					
If the no	otificati	on relates to a portion of	the filing checked above, identify the Item(s) to which the notification relates:N/A					
PART	I — R	EGISTRANT INFORM	MATION					
LecTec	Corpo	ration						
Full Na	me of l	Registrant						
Former	Name	if Applicable						
1407 Sc	outh K	ings Highway						
Address	of Pr	incipal Executive Office (	Street and Number)					
		xas 75501						
City, Sta	ate and	Zip Code						
PART 1	II — I	RULES 12b-25(b) AND	(c)					
		eport could not be filed w should be completed. (Ch	rithout unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), eck box if appropriate)					
	(a)	The reason described in expense	reasonable detail in Part III of this form could not be eliminated without unreasonable effort or					
Ø	(b)	or Form N-CSR, or po	ort, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR rtion thereof, will be filed on or before the fifteenth calendar day following the prescribed due rterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or					

portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

(c)

#### PART III — NARRATIVE

State below in reasonable detail why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

LecTec Corporation (the "Company") is working to resolve certain accounting- and expense-related issues relating to the Company's settlement of its patent infringement claims against Chattem Inc. and Prince of Peace Enterprises, Inc. and its sale of its hydrogel patch technology patents to Endo Pharmaceuticals Inc. The efforts associated with this resolution have caused a delay in the ability of the Company to close its books and records, finalize its operating results and prepare its financial statements for the quarter ended March 31, 2011. For these reasons, the Company has not been able to file its Quarterly Report on Form 10-Q for the quarter ended March 31, 2011 (the "Quarterly Report") within the prescribed time period. Management is diligently working to close its books and records and prepare financial statements as soon as possible with a target of filing the Quarterly Report within the grace period prescribed by Rule 12b-25 under the Securities Exchange Act of 1934, as amended.

Persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

# (Attach extra Sheets if Needed)

# PART IV — OTHER INFORMATION

(1)	Name and telephone number of person to contact in regard to this notification								
	Gregory G. Freitag	(903)		832-0993					
	(Name)	(Area C	lode)	(Telephone Number)					
(2)	Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Sec Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant v such report(s) been filed? If answer is no, identify report(s).								
					Yes ☑	No □			
(3)	Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?								
	refrected by the earnings statements to be included in the se		Yes □	No 🗹					
	If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.								
	L ecTec	c Corporation							
	<del></del>								
has	caused this notification to be signed on its behalf by the under	ersigned hereun	to duly autho	rized.					
Dat	e May 17, 2011	Ву	/s/ Gregory G./ Freitag Gregory G. Freitag Chief Executive Officer and Chief Financial Officer						
		•							