

Palatka Pulp and Paper Operations Consumer Products Division P.O. Box 919 Palatka, FL 32178-0919 (386) 325-2001

. .-

April 5, 2005

Trina L. Vielhauer, Chief Bureau of Air Regulation State of Florida Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

RECEIVED

APR 07 2005

BUREAU OF AIR REGULATION

RE: Georgia Pacific Palatka Mill

Title V Permit No. 1070005-029-AV

Request to Replace the Lime Kiln Shell and Associate Tube Coolers

Project No.: 1070005-030-AC/PSD-FL-345

Draft Response to RAI #2

Dear Ms. Vielhauer:

Georgia-Pacific Corporation (GP) has received the Florida Department of Environmental Protection's (FDEP's) second request for additional information (RAI #2), dated January 7, 2005. We believe that in order to resolve all the issues raised in RAI #2, GP and FDEP need to have a meeting or conference call as soon as it can be arranged. In the meantime, please consider the enclosed as **draft responses** to each of the Department's questions.

1. In the October 1, 2004 RAI, a cost analysis of a new lime kiln with tube coolers of like-and-kind pursuant to the definition of an "affected facility" in accordance to 40 CFR 60, Subpart BB, was requested. The response just provided a total cost estimate with no itemized breakdown for a new lime kiln. Again, please provide a cost analysis of a new lime kiln with tube coolers of like-and-kind pursuant to the definition of an "affected facility" in accordance to 40 CFR 60, Subpart BB, and 40 CFR 63, Subpart MM. Please be sure to provide within the analysis the ability to distinguish the "capital costs" from other costs of a new lime kiln. If the proposed modified lime kiln becomes subject to either or both of these regulations, then the BACT determination's starting base emissions will be much lower than the original submission and the proposed BACT determination will have to be reevaluated and resubmitted.

As shown in Table No. 1, the itemized costs for a new lime kiln with like-kind tube coolers, would total \$20-22 million (\$12 million for equipment and \$8 million for installation). Since the time the permit application was submitted, we have determined that the engineering costs that were provided were for an entire causticizing facility. The appropriate replacement cost for the Lime Kiln is as shown in Table No. 1."

2. Due to the age and physical deterioration of the existing lime kiln, the apparent reduction of actual production efficiency over the years of operation, the recent replacement of the ID fan (May 2004) and the upcoming replacement of the burner, this current request to replace the hot end of the lime kiln, including the associated tube coolers, does not appear to be routine maintenance. This project appears to be

a physical modification of the existing lime kiln to improve reliability of lime (CaO) production, allowing for an increase in actual emissions and production and, therefore, be able to potentially increase actual emissions and production from upstream and downstream emissions unit operations to the lime kiln. Please explain why these collective changes should be considered routine maintenance.

GP is not claiming that the Lime Kiln Shell project is "routine" maintenance; just that it is "maintenance." As stated in the Executive Summary of our PSD permit application, GP conducted a PSD applicability assessment for the project because this type of repair is not made on a routine basis. As explained in our PSD permit application, this is strictly a maintenance project, and preventative maintenance at that. In November 2003, the Lime Kiln experienced a very serious failure of the shell with cracks all the way through the shell in several different areas of the hot end. This outage resulted in unbudgeted maintenance and maintenance-related costs of \$1.5 million. These costs were escalated due to the fact that the failure was very serious and repairs had to be made quickly. The Lime Kiln has not experienced maintenance-related downtime since and it is not a bottleneck at the Mill. This is strictly a maintenance project that is focused on a single piece of equipment, the Lime Kiln, in order to prevent very serious failures in the future. There are no other sources that will be impacted as a result of this maintenance project.

3. Independent funding of various projects does not establish independence of the activity and remove the potential of a modification or new construction from being a Phased PSD Project or to be considered one. Hence, all contemporaneous emission changes that have occurred over the last five years shall be considered contemporaneous with this proposed activity. Therefore, please establish the past contemporaneous emission changes and evaluate them in conjunction with the emission changes proposed for this project for significant impact analyses, increment consumption and ambient air quality impact analyses. Also, please include any future contemporaneous emission changes that will be associated with and affected by this proposed change from other emission unit operations, both upstream and downstream.

This is one of the primary issues we need to discuss face-to-face. GP is not sure what the Department's concern is here. If the Department is saying that the prior contemporaneous projects and even future projects are all part of the same project (*i.e.*, a "phased" PSD project) and need to be evaluated together for purposes of determining PSD applicability, GP strongly disagrees, for the reasons explained subsequently, in part 3A. If the Department is saying that prior contemporaneous and future projects must be considered only for purposes of the air quality modeling analysis, this is not normally required in other states, nor has it been required for other projects in Florida in the past. However, GP is in the process of completing this analysis for the FDEP and it should be submitted this week, along with the flow rate revisions that were referenced in the answer to Question 8 of our response to RAI #1 (December 7, 2004 letter to Ms. Trina Vielhauer). To the extent the Department wants GP to include "any future contemporaneous emission changes" from other, still speculative, projects, we disagree (see part 3B). The contemporaneous period for this project ends when operation begins following completion of the maintenance activities.

A. While Georgia-Pacific agrees that the factor mentioned above, "independent funding", alone, does not establish the "independence" of the projects, it is one of many factors that has been consistently considered by EPA and states as part of past determinations on this topic.

EPA guidance, over a period of almost 25 years, makes it clear that emission increases from small (less than PSD-significant) projects are not aggregated for purposes of determining PSD applicability and Best Available Control Technology (BACT) unless it appears that the source deliberately split a larger project into smaller pieces to circumvent PSD review. The bulk of this guidance, up through and including that contained in the 1990 draft New Source Review Manual, suggests that a finding of PSD circumvention must be based on clear evidence that the source consciously tried to avoid PSD by knowingly misrepresenting the scope and relationship of the individual projects. In the only EPA Headquarters memo that we are aware of since 1990, the June 1993 3M-Maplewood memo, EPA set out "objective" criteria which it used to determine retroactively whether a source circumvented PSD. Even that memo suggests that all of the facts and circumstances regarding the projects in question, including five identified criteria, should be considered in determining whether the work constitutes separate projects or one phased project. And even that memo does not suggest that all projects with associated emission increases within a five-year period must be rolled up into one as "contemporaneous" projects.\(^1\)

Georgia-Pacific relied on EPA's past determinations in concluding that the projects that have been, or will be, undertaken at the Palatka Mill are separate projects, rather than mere components of a phased project. We summarize the key determinations below.

One of the earliest (1983) determinations, from Sheldon Meyers to David Howekamp, squarely states the issue as "whether sources and control agencies need to aggregate small changes (i.e., those below de minimus levels) which occur over time so that once the cumulative effect of the changes exceeds de minimus levels, PSD is triggered." The memo concludes that PSD is not triggered in this situation:

"...the Agency has maintained since 1981 that no such aggregation is required. This interpretation was first articulated in a memo from SSCD...to Region VII dated January 22, 1981, and has been reiterated in memoranda to Region IX and X since then. The SSCD interpretation was concurred in by the Office of General Counsel (Peter Wyckoff) as legally supportable..."

A subsequent memorandum (October 21, 1986) from Darryl Tyler to David Kee reiterates this conclusion. While the situation addressed in this memorandum (a minor source that becomes major through a series of modifications) is somewhat different than the situation being questioned for the Palatka Mill, the findings are still relevant. This memorandum concludes that

"In the extreme case where the source has made a deliberate effort to circumvent PSD review (by the systematic construction of carefully sized emissions units which only in the aggregate would trigger review) a permitting agency, may, however, make a finding that PSD applies to the total plant. Such a finding would have to be based on clear evidence that the source made a conscious effort to escape review by knowingly misrepresenting the intended source size through the calculated juggling of actual and scheduled construction of emission units."

This determination clearly directs state agencies to consider the funding relationships that exist between various projects, although the FDEP conversely states in its question that this factor does not establish independence of projects.

¹ The 3M situation was extreme. The facility, a research and development center, had obtained four synthetic minor construction permits within six months and twelve within eighteen months. The focus of EPA's inquiry was whether the facility had intentionally permitted new units or processes at synthetic minor emission levels, knowing that the projects were part of a larger project for which emission increases exceeded "major modification" levels.

A September 1989 memo from John Calcagni to William Hathaway reaffirms EPA's prior policy on non-aggregation in the context of determining whether a "net emissions increase" from a project should include prior de minimis increases. EPA determined that it should not:

"...the Environmental Protection Agency's (EPA's) historic policy has been not to consider accumulated emissions from a series of small (i.e., less than significant) emissions increases if the emissions increase from the proposed modification to the source is, standing alone without regard to any decreases, less than significant. In other words, the netting calculus (the summation of contemporaneous emissions increases and decreases) is not triggered unless there will be a significant emissions increase associated with the proposed modification. This policy was discussed in detail in a 1983 EPA memorandum...titled "Net Emission Increases Under PSD". In October 1988 the Policy and Guidance Section of the Stationary Source Compliance Division (SSCD) sent a memorandum to Region V restating the policy and indicating that is applied only to applicability determinations made under PSD...we understand that there are no plans to revise this policy."

EPA went on to review the underlying policy considerations, and reaffirmed those as well, along with the non-circumvention rules:

"This office has reviewed the considerations (as discussed in the 1983 memorandum) which led to the policy and continue to find them to be reasonable and appropriate... The PSD reviews of such small emissions could place a significant resource burden on both applicants and review agencies and would likely result in minimal, if any emissions reductions or air quality benefits from the application of BACT. Consequently, I reaffirm that EPA's current policy is not to aggregate less than significant increases at a major source when the emissions increase from a proposed modification is less than significant. Of course, attempts by applicants to avoid PSD review by splitting a modification into two or more minor modifications constitutes circumvention of the PSD requirements. Two or more related minor changes over a short period of time should be studied for possible circumvention."

EPA's 1990 Draft New Source Review Workshop Manual is very clear with regard to the Agency's policy on project aggregation. On Page A.33, EPA states the following:

"A modification is subject to PSD review only if (1) the existing source that is modified is "major," and (2) the net emissions increase of any pollutant emitted by the source, as a result of the modification, is "significant," i.e., equal to or greater than the emissions rates given on Table A-4..."

As for "accumulation of emissions", the manual states the following (p. A.36):

"If the proposed emissions increase at a major source is by itself (without considering any decreases) less than "significant", EPA policy does not require consideration of previous contemporaneous small (i.e., less than significant) emissions increases at the source. In other words, the netting equation (the summation of contemporaneous emissions increases and decreases) is not triggered unless there will be a significant emissions increase from the proposed modification."

The Manual then restates EPA's circumvention policy:

"A deliberate decision to split an otherwise "significant" project into two or more smaller projects to avoid PSD review would be viewed as circumvention and would subject the entire project to enforcement action if construction on any of the small projects commences without a valid PSD permit."

The latest EPA HQ memorandum that we are aware of is 3M-Maplewood (June 17, 1993). That memo was a retrospective enforcement response to a series of twelve minor construction permits issued to an R&D facility within an eighteen-month period, presumably for successive capital projects designed to allow initiation or enhancement of the facility's research capabilities. In that context, EPA suggested a number of criteria for use in determining "whether a source is circumventing major NSR through the minor modification process": (1) whether the source has filed more than one minor source or minor modification request within a "short time period"; (2) whether the project would be funded, or whether it would be economically viable for an extended period, without the other projects; (3) whether the source has projected consumer demand or production levels that cannot be reached at the requested permit levels; (4) whether the source has made representations to EPA or the state that indicate an intent to circumvent major NSR; and (5) the "economic realities" of the projects when considered together (i.e., whether the projects are so intrinsically related to each other, in terms of physical proximity. stages of the production process, and effect on the plant's economic viability, that they must logically be considered together). Using these criteria, EPA concluded with respect to 3M that the successive modifications had been improperly permitted.

The 3M memo merely clarified EPA's longstanding non-circumvention rules that apply when a source has tried to evade PSD by constructing a large project in smaller pieces, i.e., "where it appears obvious that a proposed source or modification, by its physical and operational design characteristics, could not economically be run at minor source levels for an appreciable length of time", in which cases EPA "will consider minor source limits taken by the source unrealistic and sham." (3M memo, p.3).

The 3M situation is not comparable to the Palatka situation. Most of the recent projects at the Palatka Mill are either for maintenance purposes or to comply with a new regulatory requirement. The projects that the Department has sought to combine – replacement of the lime kiln shell and coolers, bark hog replacement, and MACT compliance projects – are not intrinsically related to each other in terms of physical proximity, production, purpose, or Mill viability, and in fact are completely unrelated except with regard to their timing.

More importantly, the Mill is not trying to circumvent PSD for anything. All of these projects have either netted out of PSD review, have undergone PSD review, or have been authorized under a pollution control project (PCP) exclusion. The application at hand, for the lime kiln shell replacement and coolers, is undergoing PSD review for nitrogen oxides, particulate matter, ozone (due to a significant increase in volatile organic compounds), and total reduced sulfur compounds. Furthermore, the conclusion regarding this applicability is the same, regardless of whether a contemporaneous netting analysis is conducted or not. The Mill clearly has not attempted to avoid PSD or any associated modeling or other obligation for any units being modified. Therefore, the concerns that might prompt a 3M-type analysis of all of the projects combined are not present here.

In short, it is clear that EPA, over the years, has developed consistent criteria that may be used by regulatory agencies in determining if projects are related, and should therefore be aggregated for PSD applicability purposes. The guidance is designed to prevent or ensure enforcement attention to cases where it appears that sources have deliberately avoided major NSR obligations by constructing new or modified sources with minor source permits, only to increase emissions overall in a way that would have required preconstruction NSR review if the overall project had not been artificially divided.

In the case of the Palatka Mill, none of these criteria has been met as part of the recent permitting activities. None of the projects has resulted in the filing of a minor source permit application – all of the projects that have been mentioned by FDEP have undergone PSD review. Moreover, the projects have been conducted for very different reasons and under different funding. For the most part, these projects involve maintenance activities that are required for the purposes of worker and/or public safety. Finally, production increases are not expected as a result of any of these projects – they all involve cost savings, operating flexibility, and maintenance.

If the FDEP does not accept these facts, GP requests feedback from FDEP regarding their decision, including references to past FDEP and EPA policy decisions on this subject, where appropriate.

B. GP does not believe that it is appropriate or even practicable to include potential **future** emission changes from unrelated projects in the current evaluation of the lime kiln shell project. Future projects that the Mill may or may not be considering, for which budgeting authorization and planning are not even complete, let alone final, cannot be lumped in with the current lime kiln shell project. When any such unrelated projects are final enough to be presented in a permit application, GP will include a full and appropriate PSD and air quality evaluation of them in a permit application. GP does not intend to avoid any PSD or other permit obligations by applying for such projects separately.

To the extent the Department is simply saying that any upstream/downstream emission changes that would result from the lime kiln shell project itself should be included and properly evaluated in the current application, GP agrees and routinely follows this methodology in conducting evaluations for PSD applicability. As explained in our PSD permit application and in our answer to Question 2 above, this is strictly a maintenance project. As mentioned above, the very serious failure in late 2003 resulted in unbudgeted maintenance and maintenance-related costs of \$1.5 million. The Lime Kiln has not experienced maintenance-related downtime since and it is not a bottleneck at the Mill at any rate. This is strictly a maintenance project that is focused on a single piece of equipment, the Lime Kiln, in order to prevent serious failures in the future. There are no other sources that will be impacted as a result of this maintenance project.

4. You did not provide an adequate response to the original request (#4) previously submitted in the RAI dated October 1, 2004. For PSD purposes, please provide the daily production rate of the lime kiln for the last two years (24-months) in order to determine the baseline production rate of the lime kiln; and please include 2004 data.

Please see Table No. 2 for the daily production rates and note that this data is considered *Confidential Business Information (CBI)*. The annual CaO produced (as calculated from lime mud) for 2002-2004 was 111,564 tons/yr, 112,423 tons/yr, and 111,731 tons/yr; respectively. Please note that these values are slightly different than the values in the original application and the application will be updated accordingly.

5. You did not answer the question (#6) previously submitted in the RAI dated October 1, 2004. Even though the information is attempting to state that the Kiln shell portion and tube coolers that are being replaced are part of a maintenance project, will the proposed changes allow for an increase in production from its present configuration and operation? A yes or no is the preferred response.

No increase in production is anticipated as a result of this project. After the repairs in 2003 there has not been any downtime in 2004 due to the existing shell or tube coolers. This project is being conducted in order to prevent lost production in the future that would eventually result, for any piece of equipment, if that equipment were not properly maintained.

6. You did not answer the question (#7) previously submitted in the RAI dated October 1, 2004. Will there be an increase in production from the baseline production rate (see No. 4, above) after the proposed changes are completed? A yes or no is the preferred response.

None is anticipated. See response to Question #5.

7. Was the new ID fan that was installed in March 2004, sanctioned under an air construction permit? If so, please provide the project number. Also, please provide the design calculations and vendor order for the latest ID fan.

It might be helpful to note at the outset that the ID fan consists of four basic components: the motor, the fluid drive, the wheel and shaft, and the housing. Since 1976, the Mill has always maintained on-site spares for the first three components. Motor and fluid drive maintenance has occurred on an annual or biennial basis depending upon the condition of the units during routine inspections. In May 2004, the Mill replaced the housing and the wheel and shaft. The components that were installed in May 2004 were consistent with the Original Equipment Manufacturer's (OEM) equipment. GP conducted a detailed review and considered this work to be routine maintenance that did not require a construction permit.

Note that, while the ID fan is important to the operation of the Lime Kiln, it is not by itself a major component of the Lime Kiln facility. The fan components were replaced during a routine Lime Kiln outage. The intent of the replacement was to maintain then-current operations, not to expand production. The new fan wheel, shaft and housing cost about \$100,000 or about 0.5% of the cost of a new Lime Kiln, and it was funded through maintenance accounts.

The design parameters for the fan are shown in the response to Question No. 9.

8. Please provide all of the dates that the ID fan has been replaced since the existing lime kiln was built.

Maintenance records are limited for any time period prior to January 1999. The manager of the area has been with GP since 1976, however, and he has provided his best recollection of historical events along with current practices. We cannot be sure that the dates and events are entirely accurate, but we provide this in a good faith attempt to answer the guestion.

To the best of this manager's recollection, the ID fan as a whole (*i.e.*, all four components) had never been totally replaced at once. The motor and fluid drive have always been inspected annually and repaired when necessary (typically about every 1-2 years). Historically, the fan wheel is replaced and the shaft is remachined about every 10 years. The fluid drive and the fan wheel were both replaced in 1994. At that time the fan was also "tipped" (added three inches to the fan blades) at a cost of less than \$10,000 prior to putting it back in service. The tipping was needed solely in order to improve the efficiency of the dust collectors/scrubbers installed at that time to collect and recycle lime.

There are two methods for tipping a fan (i.e. on the ends or on the sides). "End tipping" is performed to increase static pressure while "side tipping" is done to increase airflow. In the case of the GP lime kiln "end tipping" was done in order to overcome the head losses due to the added ductwork for the dust collector system.

Testing prior to tipping showed about 95,000 acfm at 31" static pressure and tipping was expected to result in 85,000 acfm but at 36" static pressure. The ID fan housing was replaced in 2004, along with the components mentioned above that have been routinely replaced. The current ID fan is similar to the original (untipped) fan but lime kiln operations intend to tip the current fan for the same reasons that tipping was done in 1994.

9. On all of the previous and new ID fans, please provide the design fan characteristics for each unit, including their rpms, pressure drops, curves, volumetric flow rates, etc. In addition and for the previous/last and new ID fans, please provide the volumetric flow rates established in the performance tests conducted on the lime kiln since 1998.

As mentioned above, maintenance records are limited prior to January 1999 when the current maintenance computer system was put in service. Also, as mentioned above, the ID fan as a whole has never been totally replaced; rather its components have been replaced, as maintenance needs dictated. With that understanding, the specifications available in our maintenance files are the following for the original ID fan installed in 1976:

3530-DIDW fan designed for 100,000 acfm at 36 inches static pressure. Speed = 1,157 RPM and load = 810 Brake HP Inlet design conditions = 85,000 acfm at 450 deg-F and 34.95% humidity. Exit design conditions = 65,520 acfm at 172 deg-F and 45.96% humidity.

Volumetric flow rates established in performance tests since 1998 are as follows:

Year	Flow		Year	Flow Rate
	Rate(acfm)/dscfm			(acfm) /dscfm
1998	47,800/35,600	.7%	2002	55,800/38,300
1999	50,200/38,500		2003	55,000/42,800
2000	63,400/42,600	* **	2004 (Mar)	64,800/54,200
2001	57,000/43,300		2004 (Aug)	70,500/51,300

10. If any of this RAI's responses require any changes to the pollutant emissions and subsequent modeling issues, specifically significant impact analyses, increment consumption and ambient air quality impact analyses, then please make sure that these changes are addressed in the associated modeling and increment requirements and exercises per the regulations. Therefore, the previous RAI's #10 will be restated in case there is/are some emissions change in the response(s) to this RAI:

Pursuant to Rule 62-212.400(5)(h)5., F.A.C., please provide the information relating to the air quality impacts of, and the nature and extent of, all general commercial, residential, industrial and other growth that has occurred since August 7, 1977, in the area the facility or modification would affect.

Per our response to the Agency's Request for Information (letter from Georgia-Pacific to Ms. Vielhauer, dated December 7, 2004), a letter is being submitted under separate cover that provides the updated information for the application as referenced in our answer to Question 8 in RAI #1. Also, an updated air quality analysis, reviewing all contemporaneous emission changes, should be submitted to FDEP this week.

11. You did not answer the question (#11) previously submitted in the RAI dated October 1, 2004. For the potential applicability of 40 CFR 60, Subpart BB, please use Appendix C, 40 CFR 60, to determine if there is/are an emissions rate increase for the pollutants affected by this project.

Georgia-Pacific did provide an answer to Question 11 in our response to the Agency's Request for Information (letter from Georgia-Pacific to Ms. Vielhauer, dated December 7, 2004). Per our response in that letter, we did not, and still do not, feel that the test is required, nor is it warranted in this situation.

As stated in the opening paragraph, GP would like to meet with FDEP regarding all the issues raised in RAI's #1 and #2 to make sure that we understand each other. I will be contacting your office to set up the meeting.

Please contact me at 386-329-0918 if you have questions.

Sincerely

Myra Carpenter

Environmental Superintendent

Georgia-Pacific, Palatka Operations

Attachments: 2

cc: W. Jernigan, S. Matchett, T. Wyles, E. Jamro

Table No. 1 - LIME KILN CONSTRUCTION COSTS BASIS - NOMINAL 390 TPD (as CaO) PLANT

	COS	ST - \$ Millio	n
LK Component Description	Equipment	Installation	Total
Kiln	2.4	1.6	4.0
Concrete / Foundations	1.8	1.2	3.0
Steel	1.2	0.8	2.0
Pollution Control	1.2	0.8	2.0
E&I / Controls	1.8	1.2	3.0
Material Handling / Tanks	1.8	1.2	3.0
Burners / Fans / Misc.	1.8	1.2	3.0
			+10%
TOTAL	12	8	20-22

	Table No.	2-c LIME PR	ODUCTIO	N - 2002		Highest Production D	lave
	1 4510 110.						/ay 3
	I ima a Billion a l	270.040	Tons / yr		!	11/26	
	Lime Mud = Lime as CaO =	278,910	Tons/yr		·		
	Lille as CaO -	111,564	TORIS / YF				
	Lime		Lime		Lime		Lime
1Q2002	mud, TPD	2Q2002	mud, TPD	3Q2002	mud, TPD	4Q2002	mud, TPD
January 1, 2002	890	April 1, 2002	874	July 1, 2002	844	October 1, 2002	904
January 2, 2002	895	April 2, 2002	873	July 2, 2002	842	October 2, 2002	785
January 3, 2002	854	April 3, 2002	874	July 3, 2002	849	October 3, 2002	800
January 4, 2002	895	April 4, 2002	876	July 4, 2002	852	October 4, 2002	541
January 5, 2002	816	April 5, 2002	867	July 5, 2002	825	October 5, 2002	718
January 6, 2002	679	April 6, 2002	864	July 6, 2002	846	October 6, 2002	889
January 7, 2002	842	April 7, 2002	628	July 7, 2002	846	October 7, 2002	915
January 8, 2002	667	April 8, 2002	down	July 8, 2002	841	October 8, 2002	913
January 9, 2002	706	April 9, 2002	down	July 9, 2002	841	October 9, 2002	915
lanuary 10, 2002	562	April 10, 2002	down	July 10, 2002	838	October 10, 2002	805
lanuary 11, 2002	552	April 11, 2002	down	July 11, 2002	837	October 11, 2002	912
lanuary 12, 2002	557	April 12, 2002	down	July 12, 2002	837	October 12, 2002	918
lanuary 13, 2002	523	April 13, 2002	down	July 13, 2002	888	October 13, 2002	868
lanuary 14, 2002	566	April 14, 2002	down	July 14, 2002	676	October 14, 2002	909
lanuary 15, 2002	742	April 15, 2002	down	July 15, 2002	726	October 15, 2002	905
lanuary 16, 2002	773	April 16, 2002	down	July 16, 2002	699	October 16, 2002	898
lanuary 17, 2002	605	April 17, 2002	down	July 17, 2002	847	October 17, 2002	573
lanuary 18, 2002	610	April 18, 2002	down	July 18, 2002	830	October 18, 2002	449
lanuary 19, 2002	617	April 19, 2002	down	July 19 2002	832	October 19, 2002	871
lanuary 20, 2002	869	April 20, 2002	504	July 20, 2002	831	October 20, 2002	879
lanuary 21, 2002	862	April 21, 2002	607	July 21, 2002	844	October 21, 2002	880
anuary 22, 2002	898	April 22, 2002	652	\ July 22, 2002	649	October 22, 2002	881
anuary 23, 2002	852	April 23, 2002	761	\July 23, 2002	861	October 23, 2002	877
anuary 24, 2002	881	April 24, 2002	455	July 24, 2002	868	October 24, 2002	<u> </u> 886
anuary 25, 2002	794	April 25, 2002	802/	July 25, 2002	840	October 25, 2002	864
anuary 26, 2002	866	April 26, 2002	829	July 26, 2002	954	October 26, 2002	479
anuary 27, 2002	814	April 27, 2002	810	July 27 2002	849	October 27, 2002	. 77
anuary 28, 2002	876	April 28, 2002	843	July 28, 2002	751	October 28, 2002	212
anuary 29, 2002	871	April 29, 2002 April 30, 2002	695	July 29, 2002	768	October 29, 2002	268
anuary 30, 2002	828 672		476	July 30, 2002	793	October 30, 2002	438
anuary 31, 2002 ebruary 1, 2002	down	May 1, 2002 May 2, 2002	674 783	July 31, 2002 August 1, 2002	772	October 31, 2002	714
ebruary 2, 2002	down	May 3, 2002	712	August 2, 2002	802 691	November 1, 2002	753
ebruary 3, 2002	down	May 4, 2002	800	August 3, 2002	702	November 2, 2002 November 3, 2002	791
ebruary 4, 2002	756	Max 5, 2002	856	August 4, 2002	725	November 4, 2002	804
ebruary 5, 2002	828	May 8, 2002	878	August 5, 2002	800	November 5, 2002	830
ebruary 6, 2002	835	May 7, 2002	869	August 6, 2002	534	November 6, 2002	835
ebruary 7, 2002	862	May 8, 2002	868	August 7, 2002	706	November 7, 2002	762
ebruary 8, 2002	922	May 9, 2002	799	August 8, 2002	867	November 8, 2002	768
ebruary 9, 2002	871	May 10, 2002	773	August 9, 2002	774	November 9, 2002	752
ebruary 10, 2002	830	May 11, 2002	860	August 10, 2002	811	November 10, 2002	746
ebruary 11, 2002	830	May 12, 2002	849	August 11, 2002	820	November 11, 2002	737
ebruary 12, 2002	895	May 13, 2002	806	August 12, 2002	822	November 12, 2002	i 789
ebruary 13, 2002	881	May 14, 2002	849	August 13, 2002	830	November 13, 2002	805
ebruary 14, 2002	763	May 15, 2002	802	August 14, 2002	853	November 14, 2002	780
ebruary 15, 2002	667	May 16, 2002	848	August 15, 2002	859	November 15, 2002	728
ebruary 16, 2002	854	May 17, 2002	871	August 16, 2002	858	November 16, 2002	574
ebruary 17, 2002	914	May 18, 2002	874	August 17, 2002	866	November 17, 2002	down
ebruary 18, 2002	905	May 19, 2002	863	August 18, 2002	865	November 18, 2002	126
ebruary 19, 2002	902	May 20, 2002	879	August 19, 2002	853	November 19, 2002	219
ebruary 20, 2002	905	May 21, 2002	841	August 20, 2002	849	November 20, 2002	426
ebruary 21, 2002	902	May 22, 2002	752	August 21, 2002	848	November 21, 2002	470
ebruary 22, 2002	907	May 23, 2002	879	August 22, 2002	836	November 22, 2002	556
ebruary 23, 2002	907	May 24, 2002	868	August 23, 2002	739	November 23, 2002	875
ebruary 24, 2002	907	May 25, 2002	7	August 24, 2002	833	November 24, 2002	924
ebruary 25, 2002	902	May 26, 2002	down	August 25, 2002	812	November 25, 2002	910
ebruary 26, 2002	895	May 27, 2002	795	August 26, 2002	808	November 26, 2002	968
ebruary 27, 2002	893	May 28, 2002	865	August 27, 2002	809	November 27, 2002	650
ebruary 28, 2002	893	May 29, 2002	875	August 28, 2002	833	November 28, 2002	855
March 1, 2002	893	May 30, 2002	871	August 29, 2002	844	November 29, 2002	844
March 2, 2002	907	May 31, 2002	849	August 30, 2002	829	November 30, 2002	874
March 3, 2002	857	June 1, 2002	768	August 31, 2002	825	December 1, 2002	862
March 4, 2002	890	June 2, 2002	611	September 1, 2002	823	December 2, 2002	875
March 5, 2002	876	June 3, 2002	724	September 2, 2002	830	December 3, 2002	877

	lable N	O. 2	2-c LIME PRO	ODUCTION)	N - 2002		Н	ighest Production Da	ıys
				Ì				Î	11/26	
	Lime Mud =		278,910	Tons/yr		i				
	Lime as CaO =	:	111,564	Tons / yr		1				
								-		
•	Lime			Lime			Lime			Lime
1Q2002	mud, TPD		2Q2002	mud, TPD		3Q2002	mud, TPD	Π	4Q2002	mud, TPI
March 7, 2002	866		June 5, 2002	896		September 4, 2002	√ 801		December 5, 2002	886
March 8, 2002	850		June 6, 2002	918		September 5, 2002	820		December 6, 2002	883
March 9, 2002	890		June 7, 2002	911	_	September 6, 2002	829		December 7, 2002	882
March 10, 2002	886		June 8, 2002	897	_	September 7, 2002	838	i -	December 8, 2002	879
March 11, 2002	826		June 9, 2002	913	_	September 8, 2002	837	İ	December 9, 2002	881
March 12, 2002	845		June 10, 2002	917	_	September 9, 2002	521		December 10, 2002	880
March 13, 2002	864		June 11, 2002	909		September 10, 2002/	154	$\overline{\mathbf{X}}$	December 1, 2002	858
March 14, 2002	881		June 12, 2002	878	_<	September 11, 2002	761	i-\	December 12, 2002	687
March 15, 2002	886		June 13, 2002	896	_	September 12, 2002	872	1	December 13, 2002	878
March 16, 2002	898		June 14, 2002	903	_	September 13, 2002	821	1	December 14, 2002	882
March 17, 2002	905		June 15-2002	916	_	September 14, 2002	903	$\overline{}$	December 15, 2002	883
March 18, 2002	902		June 16, 2002	91X		September 18, 2002	879	1	December 16, 2002	884
March 19, 2002	905		June 17, 2002	922	_	September 16, 2002	869	11-	December 17, 2002	883
March 20, 2002	857	/—	June 18, 2002	897		September 17, 2002	868	it	December 18, 2002	882
March 21, 2002	847		June 19, 2002	788	$\overline{}$	September 18, 2002	859	/-	December 19, 2002	831
March 22, 2002	906 /		June 20, 2802	875	/	September 19, 2002	837	i	December 20, 2002	870
March 23, 2002	904		June 21, 2002	846		September 20, 2002	898	1	December 21, 2002	878
March 24, 2002	905		June 22, 2002	863		September 21, 2002	882	i—	December 22, 2002	880
March 25, 2002	906		June 23, 2002	860	_	September 22, 2002	881		December 23, 2002	882
March 26, 2002	905		June 24, 2002	748	_	September 23, 2002	896		December 24, 2002	871
March 27, 2002	885		June 25, 2002	318	1	September 24, 2002	903	i	December 25, 2002	879
March 28, 2002	870		June 26, 2002	809	1-	September 25, 2002	909	i	December 26, 2002	879
March 29, 2002	880		June 27, 2002	813	-1-	September 26, 2002	921	İ	December 27, 2002	888
March 30, 2002	860	$\overline{}$	June 28, 2002	844	1-	September 27, 2002	880	i	December 28, 2002	860
March 31, 2002	865	$\overline{}$	June 29, 2002	843	/-	September 28, 2002	877	i	December 29, 2002	878
		\	June 30, 2002	842		September 29, 2002	909	i —	December 30, 2002	868
						September 30, 2002	908	_	December 31, 2002	801
Quarterly Total	72383		 	62305	_		74234			69989

ıaı	ie NO. 2	b Lime Kiln Pro	GUCTIO	- 2003		ys	
						1/27 to 1/28	
		Lime Mud =	281056				
		Lime as CaO =	112423	Tons			
	<u> </u>		·			l	1
1Q2003	mud, TPD	2Q2003	mud, TPD	3Q2003	mud, TPD	4Q2003	mud, TPD
January 1, 2003	846	April 1, 2003	903	July 1, 2003	826	October 1, 2003	897
January 2, 2003	871	April 2, 2003	960	July 2, 2003	863	October 2, 2003	800
January 3, 2003	877	April 3, 2003	937	July 3, 2003	563	October 3, 2003	871
January 4, 2003	874	April 4, 2003	729	July 4, 2003	758	October 4, 2003	860
January 5, 2003	875	April 5, 2003	903	July 5, 2003	773	October 5, 2003	878
January 6, 2003	846	April 6, 2003	918	July 6, 2003	773	October 6, 2003	881
January 7, 2003	904	April 9, 2003	914	July 7, 2003	526	October 7, 2003	880
January 8, 2003 January 9, 2003	893 795	April 8, 2003 April 9, 2003	903	July 8, 2003 July 9, 2003	740 826	October 8, 2003 October 9, 2003	879 880
January 10, 2003	918	April 10, 2003	887	July 10, 2003	863	October 10, 2003	857
January 11, 2003	918	April 11, 2003	793	July 11, 2003	865	October 11, 2003	859
January 12, 2003	914	April 12, 2003	783	July 12, 2003	869	October 12, 2003	869
January 13, 2003	918	April 13, 2003	848	July 13, 2003	868	October 13, 2003	755
January 14, 2003	922	April 14, 2003	884	July 14, 2003	881	October 14, 2003	879
January 15, 2003	908	April 15, 2003	801	15, 2003 أكالر	880	October 15, 2003	884
January 16, 2003	929	April 16, 2003	804	July 16, 2003	869	October 16, 2003	899
January 17, 2003	933	April 17, 2003	889	July 17, 2003	843	October 17, 2003	899
January 18, 2003	939	April 18, 2003	854	July 18 2003) 868 /	CCIODEI 10 2000	858
January 19, 2003	940	April 19, 2003	765	July 19, 2003	872	October 19, 2003	735
January 20, 2003	933 887	April 20, 2003	845	July 20, 2003 July 21, 2003	874	October 20, 2003	883 781
January 21, 2003 January 22, 2003	937	April 21, 2003 April 22, 2003	757	July 22, 2003	860	October 21, 2003 October 22, 2003	695
January 23, 2003	954	April 23, 2003	718	July 23, 2003	881	October 23, 2003	660
January 24, 2003	958	April 24, 2003	760	July 24, 2003	873	October 24, 2003	885
January 25, 2003	924	April 25, 2003	731	July 25, 2003	871	October 25, 2003	869
January 26, 2003	958	April 26, 2003	882	July 28, 2003	865	October 26, 2003	885
January 27, 2003	969	April 27, 2003	913	July 27, 2003	841	Optober 27, 2003	911
January 28, 2003	960	April 28, 2003	908	July 28, 2003	849	October 28, 2003	867
January 29, 2003	634	April 29, 2003	907	July 29, 2003	840	October 29, 2003	821
January 30, 2003	876	April 30, 2003	851	July 30, 2003	849	October 30, 2003	592
January 31, 2003	680	May 1, 2003	477	July 3 , 2003	1 814	October 31, 2003	717
February 1, 2003	926 924	May 2, 2003	900	August 1, 2003	135	November 1, 2003	809
February 2, 2003 February 3, 2003	924	May 3, 2003 May 4, 2003	903	August 2, 2003 August 3, 2003	853	November 2, 2003 November 3, 2003	856 753
February 4, 2003	921	May 5, 2003	down	August 4, 2003	792	November 4, 2003	218
February 5, 2003	889	May 6, 2003	down	August 5, 2003	745	November 5, 2003	360
February 6, 2003	915	May 7, 2003	down	August 6, 2003	810	November 6, 2003	777
February 7, 2003	896	May 8, 2003	down	August 7, 2003	842	November 7, 2003	833
February 8, 2003	939	May 9, 2003	down	August 8, 2003	842	November 8, 2003	826
February 9, 2003	905	May 10, 2003	down	August 9, 2003	834	November 9, 2003	826
ebruary 10, 2003	930	May 11, 2003	down	August 10, 2003	821	November 10, 2003	827
ebruary 11, 2003	934	May 12, 2003	down	August 11, 2003	844	November 11, 2003	775
ebruary 12, 2003	935	May 13, 2003	down	August 12, 2003	723	November 12, 2003	837
ebruary 13, 2003	904 852	May 14, 2003 May 15, 2003	down	August 13, 2003	587	November 13, 2003	804 730
ebruary 14, 2003 ebruary 15, 2003	926	May 16, 2003	down down	August 14, 2003 August 15, 2003	840	November 14, 2003 November 15, 2003	730 754
ebruary 16, 2003	941	May 17, 2003	down	August 16, 2003	764	November 16, 2003	801
ebruary 17, 2003	940	May 18, 2003	down	August 17, 2003	701	November 17, 2003	831
ebruary 18, 2003	935	May 19, 2003	down	August 18, 2003	335	November 18, 2003	827
ebruary 19, 2003	934	May 20, 2003	down	August 19, 2003	553	November 19, 2003	684
ebruary 20, 2003	894	May 21, 2003	435	August 20, 2003	822	November 20, 2003	796
ebruary 21, 2003	816	May 22, 2003	291	August 21, 2003	855	November 21, 2003	727
ebruary 22, 2003	937	May 23, 2003	894	August 22, 2003	866	November 22, 2003	779
ebruary 23, 2003	930	May 24, 2003	896	August 23, 2003	795	November 23, 2003	808
ebruary 24, 2003	938	May 25, 2003	805	August 24, 2003	736	November 24, 2003	778
ebruary 25, 2003	884	May 26, 2003	769	August 25, 2003	801	November 25, 2003	817
ebruary 26, 2003	910	May 27, 2003	855	August 26, 2003	828	November 26, 2003	250
ebruary 27, 2003	908	May 28, 2003	887 891	August 27, 2003	851	November 27, 2003	459
ebruary 28, 2003 March 1, 2003	902	May 29, 2003 May 30, 2003	814	August 28, 2003 August 29, 2003	861	November 28, 2003 November 29, 2003	470 523
March 2, 2003	898	May 31, 2003	739	August 29, 2003 August 30, 2003	853	November 30, 2003	677
March 3, 2003	916	June 1, 2003	625	August 31, 2003	782	December 1, 2003	571
March 4, 2003	923	June 2, 2003	139	September 1, 2003	780	December 2, 2003	659

.

	1	~	Lime Kiln Pro		-				ighest Production Da	, -
		ļ			<u> </u> _	<u> </u>		Ļ	1/27 to 1/28	
	.]		me Mud =	281056				L	ļ	
	<u> </u>	Li	me as CaO =	112423	1	ons		<u> </u>		
	<u> </u>	!_		<u> </u>	<u>l</u>			L		
400000	1 700	 	2Q2003	TDD.	ļ_	20000	TDD	<u> </u> _		
1Q2003 March 5, 2003	mud, TPD	\vdash		mud, TPD	-	3Q2003	mud, TPD	Ł	4Q2003	mud, TPE
	923	! —	June 3, 2003	·	!-	September 2, 2003	780	<u>-</u>	December 3, 2003	723
March 6, 2003	923	! —	June 4, 2003	861	<u> </u>	September 3, 2003	825	<u>!</u> _	December 4, 2003	810
March 7, 2003	890	<u>!</u> —	June 5, 2003	873	ļ.,	September 4, 2003	820	Ν.	December 5, 2003	843
March 8, 2003	812	! —	June 6, 2003	725	<u> </u> _	September 5, 2003	752	!-`	December 6, 2003	787
March 9, 2003	860	<u>!</u> —	June 7, 2003	535	!-	September 6, 2003	865	!_	December 7, 2003	112
March 10, 2003	907	<u> </u>	June 8, 2003	779	!_	September 7, 2003	880	<u> </u> _	December 8, 2003	496
March 11, 2003	864	<u> </u> _	June 9, 2003	857	-	September 8, 2003	898	<u> </u> _	December 9, 2003	339
March 12, 2003	815	<u> </u>	June 10, 2003	884	<u> </u> _	September 9, 2003	95/3	<u> </u> _	Decèmber 10, 2003	200
March 13, 2003	869	<u>!</u>	June 11, 2003	1 807	<u>!</u> _	September 10, 2003	9/8	<u>'</u>	December 11, 2003	459
March 14, 2003	870	!_	June 12, 2003	717	Ļ	September 11, 2003	888	<u> </u> _	December 12, 2003	235
March 15, 2003	875	ļ i	June 13, 2003	718	<u>!</u> _	September 12, 2003	740	!_	December 13, 2003	
March 16, 2003	750		June 14, 2003	806	_	September 13, 2003	857	<u>!</u>	December 14, 2003	845
March 17, 2003	861		June 15, 2003	367	7	September 14, 2003	898	_	December 15, 2003	826
March 18, 2003	799	!!	<u>16, 2003 لر</u>	26,	<u> </u> _	September 15, 2003	889	_	December 16, 2003	756
March 19, 2003	762	!!	June 17, 2003	32	<u> </u> _	September 16, 2003	876/	L	December 17, 2003	822
March 20, 2003	862	<u>L</u> .	June 18, 2003	/145	L	September 17, 2003	685		December 18, 2003	829
March 21, 2003	812	LZ	June 19, 2003	836	ĬΞ	September 18, 2003	733		December 19, 2003	817
March 22, 2003	881	II	June 20, 2003	839	ĺ	September 19, 2003	770	Ī	December 20, 2003	842
March 23, 2003	926	T []	June 21, 2003	845	iΤ	September 20, 2003	832		December 21, 2003	849
March 24, 2003	882	ŢŢŢ	June 22, 2003	832	Ĺ	September 21, 2003	826	ΙÏ	December 22, 2003	859
March 25, 2003	920	$ \cdot $	June 23, 2003	822	Ī	September 22, 2003	<u>82</u> 7	Ϊ	December 23, 2003	812
March 26, 2003	924	ΓV	June 24, 2003	811	Ī	September 23, 2003	729	П	December 24, 2003	828
March 27, 2003	913	j=\	June 25, 2003	805	-	September 24, 2003	544	П	December 25, 2003	808
March 28, 2003	904	įΠi	June 26, 2003	787	i	September 25, 2003	781	ī	December 26, 2003	852
March 29, 2003	913	j – i	June 27, 2003	i 814 i	i	September 26, 2003	858	ĪΪ	December 27, 2003	864
March 30, 2003	888	i^{-1}	June 28, 2003	741	i .	September 27, 2003	824	ī	December 28, 2003	869
March 31, 2003	687		June 29, 2003	813	i	September 28, 2003	832	ī	December 29, 2003	839
	i	-	June 30, 2003	816	i T	September 29, 2003	878	i i	December 30, 2003	798
						September 30, 2003	890	_ i	December 31, 2003	801
	1									
Quarterly Total	80243	!!		57861	0		73876	0		69077

	Table No.	2 a LIME VII N	BBODILO	<u></u>	:			Highest Production Days	i
	I able No.	. 2-a LIME KILN	PRODUC	110	JN - 2004	<u> </u>	_!	3/3	
				!		<u> </u>	_!	4/18 to 4/20	<u> </u>
		Total mud in 2004 =		ļ	tons	<u> </u>	_!	4/25	
		Total lime in 2004	111731	ļ	Tons CaO	!	_!		
	_		1		ļ	!	_!		<u> </u>
	Lime Mud		Lime Mud	ļ 		Lime Mud	-!		Lime Muc
1Q2004	TPD	2Q2004	TPD	<u>ا</u> _ــــــــــــــــــــــــــــــــــــ	3Q2004	TPD	_ļ	4Q2004	TPD
January 1, 2004	837	April 1, 2004	1 890	.	July 1, 2004	871	_!	October 1, 2004	917
January 2, 2004	854	April 2, 2004	847	ļ	July 2, 2004	908	_!	October 2, 2004	722
January 3, 2004	840	April 3, 2004	893	ļ	July 3, 2004	839 I	_!	October 3, 2004	797
January 4, 2004	853	April 4, 2004	865	ļ	July 4, 2004	845	_	October 4, 2004	854
January 5, 2004	852	April 5, 2004	741	<u> </u>	July 5, 2004	867	_!	October 5, 2004	869
January 6, 2004	875	April 6, 2004	801	<u> </u>	July 6, 2004	907	_!	October 6, 2004	874
January 7, 2004	829	April 7, 2004	888	<u> </u>	July 7, 2004	920	_!	October 7, 2004	869
January 8, 2004	857	April 8, 2004	862	!—	July 8, 2004	910	¦	October 8, 2004	881
January 9, 2004	592	April 9, 2004	913	<u> </u> _	July 9, 2004	780	-!	October 9, 2004	881
January 10, 2004	785	April 10, 2004	898		July 10, 2004	863	-!	October 10, 2004	883
January 11, 2004	857	April 11, 2004	909	ļ—	July 11, 2004	889	-¦	October 11, 2004	883
January 12, 2004	825	April 12, 2004	898	-	July 12, 2004	920	-	October 12, 2004	883
January 13, 2004	298	April 13, 2004	896	-	July 13, 2004	515	$\langle \cdot $	October 13, 2004	883
January 14, 2004	722	April 14, 2004 April 15, 2004	942	يسرز	July 14, 2004	869	-\	October 14, 2004	782
January 15, 2004	641		813	<u> </u>	July 15, 2004	899	-¦	October 15, 2004	883
January 16, 2004		April 16, 2004	859	-	July 16, 2004	847		October 16, 2004	883
January 17, 2004 January 18, 2004	872 869	April 17, 2004 April 18, 2004	972	 	July 17, 2004 July 18, 2004	<u> </u>	- -	October 17, 2004 October 18, 2004	883 883
January 19, 2004	802	April 19, 2004	965	/-	July 19, 2004	863	-¦	October 19, 2004	883
January 20, 2004	847	April 20, 2004	962	-/-	July 19, 2004	846	-:	October 19, 2004	895
January 21, 2004	845	April 21, 2004	956	¦−`	July 21, 2004	801	Ξŀ	October 21, 2004	787
January 22, 2004	856	April 22, 2004	983	i	July 22, 28Q4	908	Α.	October 22, 2004	890
January 23, 2004	854	April 23, 2004	939	i—	July 23, 2004	899	ť	October 23, 2004	902
January 24, 2004	860	April 24, 2004	931	-	July 24, 2004	73/3	-:	October 24, 2004	900
January 25, 2004	856 1/	April 25, 2004	961	i	July 25, 2004	1,67	-i	October 25, 2004	900
January 26, 2004	i 880 /i	April 26, 2004	957	$\overline{}$	July 26, 2004	139	-¦	October 26, 2004	907
January 27, 2004	886	April 27, 2004	470	./-	July 27, 2004	814	-i	October 27, 2004	902
January 28, 2004	1 868	April 28, 2004	l Down	i\	July 28, 2004	897	-i	October 28, 2004	910
January 29, 2004	145	April 29, 2004	-Down	i —	July 29, 2004	898 I	-i	October 29, 2004	910
January 30, 2004	1 807	l April 30, 2004	j Down	i	July 30, 2004	920	٦ï	October 30, 2004	912
January 31, 2004	839	May 1, 2004	Down	!-	31, 2004	903	-i	October 31, 2004	919
February 1, 2004	872	May 2, 2004	Down]_	August 1, 2004	878	٦ï	November 1, 2004	929
February 2, 2004	875	May 3, 2004	Down	ı—	August 2, 2004	862	Ξĩ	November 2, 2004	907
February 3, 2004	845	May 4, 2004	1 Down	i	August 3, 2004	925	٦ï	November 3, 2004	905
February 4, 2004	831	May 5, 2004	Down	<u> </u>	August 4, 2004	909	Ï	November 4, 2004	900
February 5, 2004	833	May 6, 2004	Down	1	August 5, 2004	505 I	1	November 5, 2004	859
February 6, 2004	l 813 l	May 7, 2004	<u> </u> Down		August 6, 2004	774	_!_	November 6, 2004	905
February 7, 2004	843	May 8, 2004	Down		August 7, 2004	891	_!	November 7, 2004	881
February 8, 2004	<u> 878 </u>	May 9, 2004	Down		August 8, 2004	838	_!	November 8, 2004	881
February 9, 2004	850	May 10, 2004	Down		August 9, 2004	890 l	<u>.ļ</u> .	November 9, 2004	852
February 10, 2004	841	May 11, 2004	Down		August 10, 2004	823	_!.	November 10, 2004	864
February 11, 2004	864	May 12, 2004	Down		August 11, 2004	877	_!.	November 11, 2004	864
February 12, 2004	831	May 13, 2004	Down	_	August 12, 2004	869	-!.	November 12, 2004	864
February 13, 2004	508	May 14, 2004	Down		August 13, 2004	787	_¦-	November 13, 2004	859
February 14, 2004	863	May 15, 2004	Down		August 14, 2004	885	_ļ.	November 14, 2004	799
February 15, 2004	884	May 16, 2004	Down	-	August 15, 2004	839	_¦-	November 15, 2004	838
February 16, 2004	902	May 17, 2004	Down		August 16, 2004	603	-¦.	November 16, 2004	893
February 17, 2004	913	May 18, 2004	Down .	-	August 17, 2004	702	-¦-	November 17, 2004	905
February 18, 2004	904	May 19, 2004	Down	-	August 18, 2004	885	-¦-	November 18, 2004	542
February 19, 2004 February 20, 2004	726	May 20, 2004 May 21, 2004	Down 427		August 19, 2004	949	-¦-	November 19, 2004	900
February 21, 2004	803	May 21, 2004	538	—	August 20, 2004 August 21, 2004	851 677	-¦-	November 20, 2004	905
February 22, 2004	855	May 23, 2004	748	-	August 21, 2004 August 22, 2004	859	-¦-	November 21, 2004 November 22, 2004	910
February 23, 2004	874	May 24, 2004	694	-	August 23, 2004	908	-¦-	November 23, 2004	912 914
February 24, 2004	871	May 25, 2004	637	—	August 24, 2004	843		November 24, 2004	917
February 25, 2004	880	May 26, 2004	717	—	August 25, 2004	798		November 25, 2004	914
February 26, 2004	916	May 27, 2004	705		August 26, 2004	830	-¦-	November 26, 2004	917
February 27, 2004	931	May 28, 2004	804	-	August 27, 2004	888		November 27, 2004	922
February 28, 2004	898	May 29, 2004	809		August 28, 2004	884		November 28, 2004	862
February 29, 2004	917	May 30, 2004	795		August 29, 2004	861	-¦-	November 29, 2004	919
March 1, 2004	940	May 31, 2004	792	-	August 30, 2004	870	-¦-	November 30, 2004	893
March 2, 2004	947	June 1, 2004	831		August 31, 2004	820	-:-	December 1, 2004	917
March 3, 2004	971	June 2, 2004	789		September 1, 2004	829	-¦-	December 2, 2004	910
March 4, 2004	952	June 3, 2004	725		September 2, 2004	868		December 2, 2004 December 3, 2004	754
March 5, 2004	902	June 3, 2004 June 4, 2004	809		September 3, 2004	921	- -	December 4, 2004	638
March 6, 2004	954	June 5, 2004	792	-	September 4, 2004	939	- -	December 5, 2004	768
March 7, 2004	928	June 6, 2004	797		September 5, 2004	587		December 5, 2004	922

		!	!	<u>!</u>	<u>!_</u>	<u>-!</u>	[-	Highest Production Days	<u>'</u>
	Table No), 2	2-a LIME KILN	PRODUC	TIC	ON - 2004			3/3	
		İ		i	İ	Î	i i	7	4/18 to 4/20	Ĭ
		Ī	Total mud in 2004 =	279328	iΠ	tons	i	-	4/25	<u> </u>
		<u> </u>	Total lime in 2004	111731	i_	Tons CaO	i	_i		i
	1	<u> </u>		!	<u>!</u>		<u> </u>	_!		<u> </u>
	Lime Mud	<u> </u>	 	Lime Mud	ļ 		Lime Mud I	_!		Lime Mu
1Q2004	TPD	ļ_	2Q2004	TPD	ļ	3Q2004	TPD	_	4Q2004	TPD
March 8, 2004	933	<u> </u>	June 7, 2004	801	<u> </u>	September 6, 2004	269	_!	December 7, 2004	down
March 9, 2004	910	!	June 8, 2004	415	<u> </u>	September 7, 2004	<u> 887 </u>	_!	December 8, 2004	<u> </u> down
March 10, 2004	912	<u> </u>	June 9, 2004	l down	<u> _</u>	September 8, 2004	959	_!	December 9, 2004	l down
March 11, 2004	916	<u> _</u>	June 10, 2004	283	!	September 9, 2004	900	_!	December 10, 2004	535
March 12, 2004	865	<u> </u>	June 11, 2004	793	<u> </u>	September 10, 2004	ì 857 I	_ i	December 11, 2004	782
March 13, 2004	l 846	Ī	June 12, 2004	824	ĺ	September 11, 2004	l 903 i	_i	December 12, 2004	809
March 14, 2004	797	1	June 13, 2004	829	ĺ	September 12, 2004	l 930 l	ī	December 13, 2004	850
March 15, 2004	844	i —	June 14, 2004	819	i	September 13, 2004	895	-i	December 14, 2004	i 874
March 16, 2004	837	i —	June 15, 2004	739	i –	September 14, 2004	922	٦i	December 15, 2004	751
March 17, 2004	688	i	June 16, 2004	821	1	September 15, 2004	613	٦į	December 16, 2004	655
March 18, 2004	902	i	June 17, 2004	824		September 16, 2004	888	-	December 17, 2004	766
March 19, 2004	904	i—	June 18, 2004	832	i	September 17, 2004	80e	-:	December 18, 2004	809
March 20, 2004	911	<u> </u>	June 19, 2004	786	_	September 18, 2004	872	-	December 19, 2004	838
March 21, 2004	922	iー	June 20, 2004	755	-	September 19, 2004	834	}	December 20, 2004	814
March 22, 2004	902	¦—	June 21, 2004	509	-	September 20, 2004	840	٧¦	December 21, 2004	773
March 23, 2004	907	<u> </u>	June 22, 2004	737	-	September 21, 2004	833	-}	December 22, 2004	857
March 24, 2004	911	 —		836	<u></u>		854	-¦		
	_;	!—	June 23, 2004	·——	-	September 22, 2004		-¦		845
March 25, 2004	910	-	June 24, 2004	827	_	September 23, 2004	842	!	December 24, 2004	840
March 26, 2004	820		June 25, 2004	834	ر_!	September 24, 2004	794	_!	December 25, 2004	737
March 27, 2004	877		June 26, 2004	837	-/	September 25, 2004	521	_!	December 26, 2004	833
March 28, 2004	875	_	June 27, 2004	816		September 26, 2004	down	!	December 27, 2004	852
March 29, 2004	908	_	June 28, 2004	666	_	September 27, 2004	i dòwn i	Z	December 28, 2004	862
March 30, 2004	<u> 890 </u>		June 29, 2084	902		September 28, 2004	<u>55γ Ι</u>	_!	December 29, 2004	l 790
March 31, 2004	896	_	dune 30, 2004	738		September 29, 2004	869	_ļ	December 30, 2004	893
· · · · · · · · · · · · · · · · · · ·		_/	/	!./		September 30, 2004	926	_!	December 31, 2004	898
		/-	/		\ -	<u> </u>	!/!	_!		.!
Quarterly Total	75918		//	53786	١/-	<u> </u>	7 35 97	_!		760
· · · · · · · · · · · · · · · · · · ·	-!(!	_	/			<u>'</u>	<u> /</u> !	-!		<u> </u>
	_! !	_		اہر		!\	!!	_!		<u> </u>
· · · · · · · · · · · · · · · · · · ·	_!\!		\	<u> </u>	·—	!_\	<u> </u> -	_!		<u> </u>
	_ \		\	\	۱	!/	<u> </u>	_!.		<u>ļ</u>
	_!i	/-		!\!	4-	!	<u> </u>	_ļ		.!
	[7		}	·l	<u> </u>	! <u>!</u> -	-!		<u> </u>
 		_	·——/——	_/	<i> </i> —	!	-	_!		!
	-	—	.\			<u> </u>	 }-	-¦		. <u>!</u>
			_\	/:		<u>:</u>	-	-¦		<u> </u>
		_	_\	/_	_	¦	-	-!-		ļ
· · · · · · · · · · · · · · · · · · ·	-	—		/	-	<u> </u>	<u> </u>	-¦		
	- 	-			—	i		-¦		
	- 	-				i		-¦		
	_:	!				1	· .	- 1		