



A potential does exist for an increase in daily mobile source emissions. Potential impact from mobile source emissions was evaluated, assuming 16 additional heavy-duty truck trips per day, 100 miles round trip distance each, and 3 additional employee trips per day. Results show a daily increase in mobile source emissions of 3.98 lb ROG and 36.22 lb. For both pollutants, the increase is below the District's 10 TPY significance threshold. The potential increase in diesel exhaust emissions is not expected to have a significant health impact on nearest resident or on-site workers. Nuisance emissions, in the form of objectionable odors, are expected to increase from the greater throughput of raw material, however, nuisance conditions are not expected to be significant, provided equipment is well maintained. The project will not obstruct implementation of air quality plans, result in a cumulatively considerable net increase in any criteria pollutant, or expose sensitive receptors to substantial.

The project's discharge to land of wastewater is regulated by Central Valley Regional Water Quality Control Board (CVRWQCB) Waste Discharge Requirements (WDR) Order No. 95-245 (WDRs). The wastewater treatment system is not adequately sized for current flow rates and nitrogen loadings. The addition of the third cooker will cause periodic increases in wastewater flow and nitrogen loading. Unless mitigated, this project could result in continued violation of water quality standards or waste discharge requirements. Accordingly, Baker Commodities proposes to upgrade the wastewater treatment system and reclamation area.

No Other significant impacts have been identified in the initial study.

Wastewater Treatment System:

As part of the subject facility, Baker Commodities operates a wastewater treatment system to treat cooker condensate and washdown/cleanup water from the rendering operations. The wastewater is discharged to primary treatment units (mechanical separators) to remove heavier-than-water and lighter-than-water solids. The recovered solids are recycled into the rendering feedstock and the separator effluent is discharged to a series of passive organic stabilization lagoons. Lagoon 1 provides anaerobic, biologically-mitigated stabilization of the organic wastes, reducing biological and chemical oxygen demand, and converting organic nitrogen to ammonia. Lagoon 2 provides nitrogen removal via ammonia volatilization. Lagoon 3 provides additional ammonia volatilization and stores wastewater during periods of precipitation so that wastewater can be land-applied (only) during periods of irrigation demand.

The effluent from lagoon 3 is mixed with irrigation well water and applied to approximately 500 acres of irrigated crops (alfalfa and cotton) to beneficially



reclaim wastewater constituents, including nitrogen. The wastewater-well water mixture is applied to the reclamation crops at agronomic rates.

Steam is provided as the heat source for the cookers to separate tallow from meal. Onsite well water feeds the steam boiler. An ion exchange unit currently pretreats boiler feedwater. Recharge of the ion exchange unit requires importing about 20 tons per year of sodium chloride and/or magnesium chloride. This ionic loading is currently discharged to the wastewater system and subsequently to the reclamation area.

The wastewater treatment system is not adequately sized for current flowrates and nitrogen loadings. The addition of the third cooker will cause periodic increases in wastewater flow and nitrogen loading. Accordingly, Baker Commodities proposes to upgrade the wastewater treatment system and reclamation area.

Proposed Wastewater Mitigation Measures:

In order to bring existing operations into compliance and provide for periodic increases in wastewater flowrates and nitrogen loading subsequent to installation of the third cooker, Baker Commodities proposes the following:

- A reverse osmosis unit will be constructed to replace the existing ion exchange unit. This will eliminate the chloride and total dissolved solids loading to wastewater from imported sodium chloride and/or magnesium chloride.
- An additional mechanical separator will be installed, sized to accommodate the increased wastewater flow. This will reduce the suspended and floating solids loading to the wastewater lagoons.
- A feasibility study will be completed to analyze alternative wastewater treatment scenarios. The results of the feasibility study will determine the most cost-effective treatment process and optimal configuration of the wastewater treatment components.
- An evaluation of irrigation practices will be completed and implemented for the reclamation area. The results of the evaluation will determine the most cost-effective irrigation practices, along with those measures needed to preserve beneficial uses of groundwater beneath the reclamation area.
- A revised Report of Waste Discharge will be prepared, delineating the comprehensive management of the facility's wastewater and stormwater,



- implementation of cost-effective wastewater treatment measures, and preservation of beneficial uses of local surface and groundwater.
- Based on the results of the feasibility study and revised Report of Waste Discharge, new lined lagoons will be designed, constructed, and operated to treat and store wastewater.
 - Additional groundwater monitoring wells will be installed to (1) characterize background water quality, (2) determine the nature and extent of groundwater impacts from the existing unlined wastewater lagoons, (3) detect any leakage from the newly-constructed lined wastewater lagoons, and (4) detect any impacts from wastewater application to the reclamation area.

Design Wastewater Flowrate:

The attached Figures 1 and 2 summarize wastewater flow measurements at the facility. Accounting for periodic increases subsequent to installation of the third cooker, Baker Commodities proposes to design the wastewater improvements based on a flowrate up to 275,000 gallons per day (monthly average).

Baker Commodities anticipates completing the proposed mitigation measures by December 2008.

9. Other Agencies Whose Approvals Are Required and Permits Needed:

Fresno County: County staff has reviewed the proposal by Baker Commodities Incorporated to install an additional boiler to their facility. The County has determined the proposal can be accommodated under the existing land use entitlements, including Conditional Use Permit Nos. 567 and 1459. Based on this information, Fresno County will process this request through the issuance of mechanical and electrical permits. Issuance of these permits is a ministerial action and does not require review under the California Environmental Quality Act.

Central Valley Regional Water Quality Control Board (CVRWQCB): Waste Discharge Requirements Order No. 95-245 (WDRs) regulates Baker Commodities, Inc. (Baker Commodities) discharge to land of wastewater.

10. Name of Person Who Prepared Initial Study:

Daniel Barber, Ph.D.
San Joaquin Valley Unified Air Pollution Control District
1990 E. Gettysburg Ave.
Fresno, CA 93726
(559) 230-5800



Figure 3

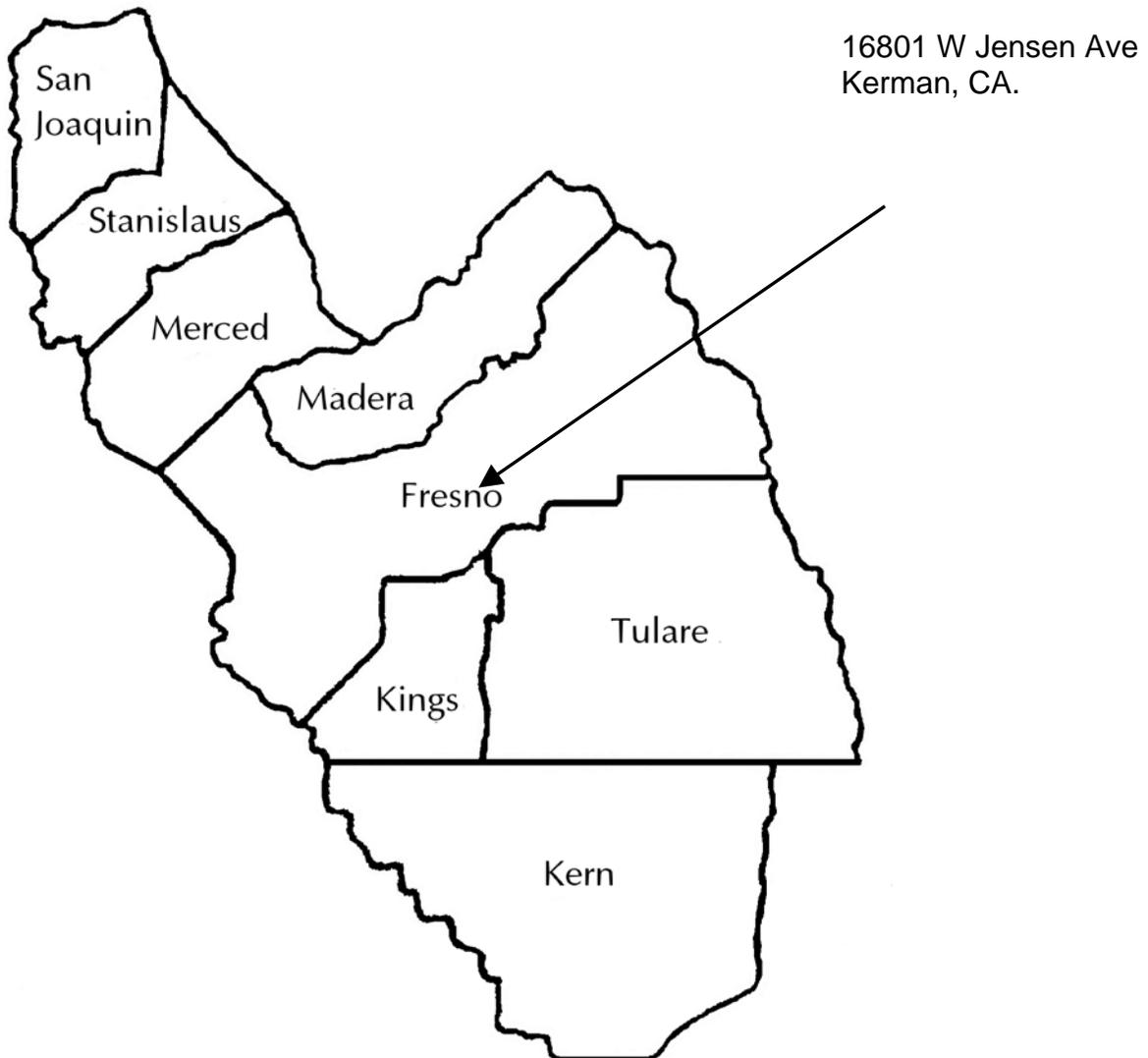
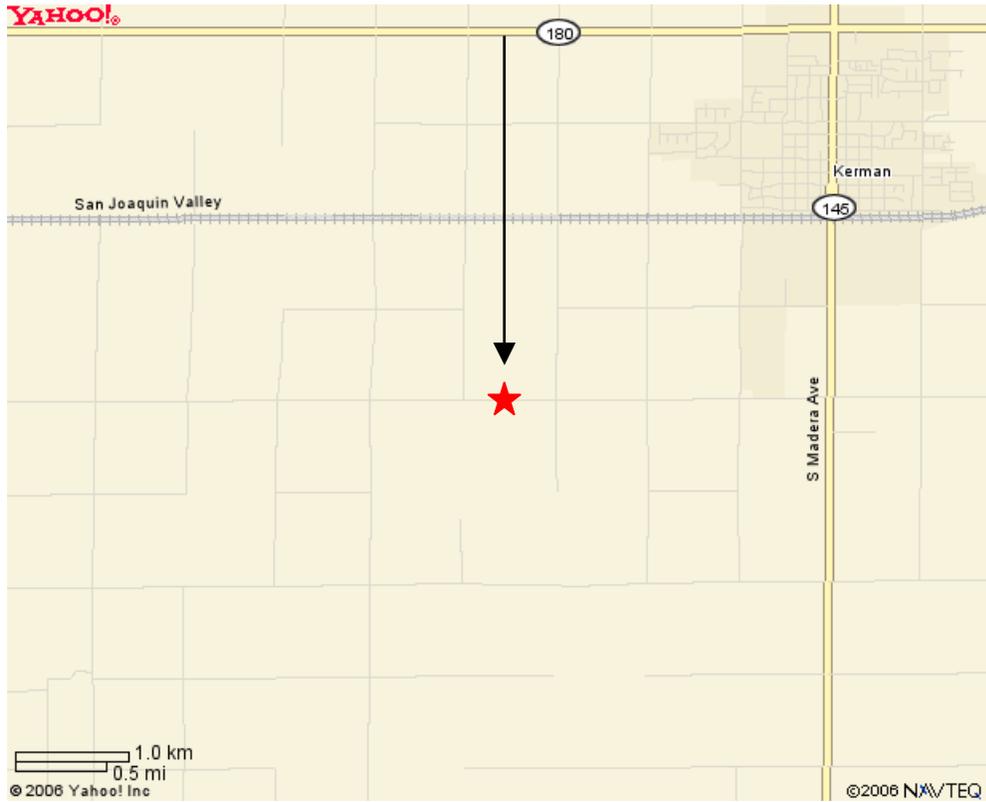




Figure 4





B. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by the proposed project, involving at least one impact that is a "Potentially Significant Impact" or "Potentially Significant Unless Mitigated", as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population/Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

C. DETERMINATION

I certify that this project was independently reviewed and analyzed and that this document reflects the independent judgment of the District.

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a significant effect(s) on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

Signature: _____ Date: _____

Printed name:
 Title:



D. ENVIRONMENTAL IMPACT CHECKLIST

| I. AESTHETICS Would the proposal: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|--|---------------------------------------|--|-------------------------------------|------------------|
| a) Affect a scenic vista or scenic highway? | | | | X |
| b) Have a demonstrable negative aesthetic effect? | | | | X |
| c) Create light or glare? | | | | X |
| Discussion: The proposed addition of a third cooker is not expected to significantly impact the visual character of the existing rendering facility, which may already have an aesthetic impact. | | | | |
| Mitigation: None | | | | |
| II. AGRICULTURE RESOURCES In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | | | | X |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | | | | X |
| c) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? | | | | X |
| Discussion: The County of Fresno has determined that the proposal can be accommodated under existing land use entitlements, including Conditional Use Permit Nos. 567 and 1459. | | | | |
| Mitigation: None | | | | |
| Reference: County of Fresno correspondence to SJVAPCD, dated 9/15/2006. | | | | |
| III. AIR QUALITY Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Conflict with or obstruct implementation of the applicable air quality plan? | | | | X |
| b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation? | | | | X |



| III. AIR QUALITY (Continued) | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---------------------------------------|--|-------------------------------------|------------------|
| c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)? | | | | X |
| d) Expose sensitive receptors to substantial pollutant concentrations? | | | | X |
| e) Create objectionable odors affecting a substantial number of people? | | | X | |
| <p>Discussion: The project site is within the San Joaquin Valley Air Basin, which has been classified as “Non-attainment” for ozone and respirable particulate matter (PM-10 and PM-2.5) as defined by the Federal Clean Air Act. The San Joaquin Valley Air Pollution Control District has been established by the State of California in an effort to control and minimize air pollution. As such, the District maintains permit authority over stationary sources of air pollution.</p> | | | | |
| <p>Baker Commodities, Inc. has submitted an Authority to Construct (ATC) application to the District. The District’s evaluation of the project concludes the following:</p> | | | | |
| <ol style="list-style-type: none"> 1) The existing facility has received their Title V Operating Permit; and the proposed project is a Minor Modification to the Title V permit; 2) There are no proposed increase in annual emissions; 3) Emissions from the cooking process at a rendering operation are not considered to release significant amounts of criteria pollutants; 4) Increased production of yellow grease and tallow will not increase criteria pollutants; 5) A potential does exist for an increase in daily mobile source emissions. Potential impact from mobile source emissions was evaluated, assuming 16 additional heavy-duty truck trips per day, 100 miles round trip distance each, and 3 additional employee trips per day. Results show a daily increase in mobile source emissions of 3.98 lb ROG and 36.22 lb. For both pollutants, the increase is below the District’s 10 TPY significance threshold; 6) The potential increase in diesel exhaust emissions from increased traffic and truck idling was evaluated for potential health risks to the nearest resident. The District’s thresholds of significance for Hazardous Air Pollutants are the probability of contracting cancer for the Maximally Exposed Individual (MEI) exceeds 10 in one million or ground level concentrations of non-carcinogenic toxic air contaminants would result in a Hazard Index greater than 1 for the MEI. The potential risk was estimated be be less than 1 in one million, and thus is not expected to have a significant health impact on nearest resident; 7) Nuisance emissions, in the form of objectionable odors, are expected to increase from the greater throughput of raw material, however, nuisance conditions are expected to be less than significant, provided equipment is well maintained. | | | | |
| <p>Mitigation: None</p> | | | | |
| <p>Reference: San Joaquin Valley Unified Air Pollution Control District, <i>Authority to Construct: Application Review</i> Applicant No. C-0072-1-2, Project No. C-1-61-86</p> | | | | |



| IV. BIOLOGICAL RESOURCES | | | | |
|--|--------------------------------|---|------------------------------|-----------|
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | | | | X |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? | | | | X |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | | | | X |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | | | | X |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | | | | X |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | | | | X |
| Discussion: There is no evidence to suggest this project would result in impacts to endangered species or habitats, locally designated species, or wildlife dispersal or migration corridors. There are no known sensitive or protected species or natural communities located on the site and/or surrounding area. | | | | |
| Mitigation: None | | | | |
| V. CULTURAL RESOURCES | | | | |
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Cause a substantial adverse change in the significance of a historical resource as defined in '15064.5? | | | | X |



| | | | | |
|--|---------------------------------------|--|-------------------------------------|------------------|
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to '15064.5? | | | | X |
| V. CULTURAL RESOURCES (Continued) | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | | | | X |
| d) Disturb any human remains, including those interred outside of formal cemeteries? | | | | X |
| Discussion: Cultural resources are not known to exist on the project site. There is the possibility of discovering unknown cultural resources during construction activities related to the project. If this should occur, the contractor or project official shall consult Central California Information Center (CCIC), the State Office of Historic Preservation in Sacramento, or the Native American Heritage Commission in Sacramento for recommended procedures, as required under Section 7050 of the Health and Safety Code and Section 5097 of the Public Resources Code. | | | | |
| Mitigation: None | | | | |
| VI. GEOLOGY/SOILS Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | X |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | | | | X |
| ii) Strong seismic ground shaking? | | | | X |
| iii) Seismic-related ground failure, including liquefaction? | | | | X |
| iv) Landslides? | | | | X |
| b) Result in substantial soil erosion or the loss of topsoil? | | | | X |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | | | | X |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | | | | X |



| | | | | |
|--|--|--|--|----------|
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? | | | | X |
|--|--|--|--|----------|



| VI. GEOLOGY/SOILS (Continued) | | | | |
|--|--------------------------------|---|------------------------------|-----------|
| Discussion: Any structure resulting from this project shall be built according to applicable federal, state, and local building standards. Compliance with applicable regulations is considered adequate to minimize the project's potential impacts on geology or soils. | | | | |
| Mitigation: None | | | | |
| VII. HAZARDS & HAZARDOUS MATERIALS | | | | |
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | | | | X |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | | | | X |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | | | | X |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | | | | X |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | | | | X |
| f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area? | | | | X |
| g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | | | | X |
| h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? | | | | X |



| VII. HAZARDS & HAZARDOUS MATERIALS (Continued) | | | | |
|---|--------------------------------|---|------------------------------|-----------|
| Discussion: There is no proposed change in existing raw materials, manufacturing processes, or finished goods. Operators must comply with applicable federal, state, and local safety and environmental regulations. Compliance with applicable regulations is considered adequate to minimize the project's potential impacts. | | | | |
| Mitigation: None | | | | |
| VIII. HYDROLOGY/WATER QUALITY | | | | |
| Would the project: | | | | |
| | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Violate any water quality standards or waste discharge requirements? | | X | | |
| b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? | | | | X |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site? | | | | X |
| d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? | | | | X |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff? | | | | X |
| f) Otherwise substantially degrade water quality? | | | | X |
| g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | | | | X |
| h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows? | | | | X |
| i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? | | | | X |



VIII. HYDROLOGY/WATER QUALITY (Continued)

Discussion: The project's discharge to land of wastewater is regulated by Central Valley Regional Water Quality Control Board (CVRWQCB) Waste Discharge Requirements (WDR) Order No. 95-245 (WDRs). The wastewater treatment system is not adequately sized for current flow rates and nitrogen loadings. The addition of the third cooker will cause periodic increases in wastewater flow and nitrogen loading. Unless mitigated, this project could result in continued violation of water quality standards or waste discharge requirements. Accordingly, Baker Commodities proposes to upgrade the wastewater treatment system and reclamation area.

Mitigation: In order to bring existing operations into compliance and provide for periodic increases in wastewater flow rates and nitrogen loading subsequent to installation of the third cooker, Baker Commodities proposes the following:

- A reverse osmosis unit will be constructed to replace the existing ion exchange unit. This will eliminate the chloride and total dissolved solids loading to wastewater from imported sodium chloride and/or magnesium chloride.
- An additional mechanical separator will be installed, sized to accommodate the increased wastewater flow. This will reduce the suspended and floating solids loading to the wastewater lagoons.
- A feasibility study will be completed to analyze alternative wastewater treatment scenarios. The results of the feasibility study will determine the most cost-effective treatment process and optimal configuration of the wastewater treatment components.
- An evaluation of irrigation practices will be completed and implemented for the reclamation area. The results of the evaluation will determine the most cost-effective irrigation practices, along with those measures needed to preserve beneficial uses of groundwater beneath the reclamation area.
- A revised Report of Waste Discharge will be prepared, delineating the comprehensive management of the facility's wastewater and stormwater, implementation of cost-effective wastewater treatment measures, and preservation of beneficial uses of local surface and groundwater.
- Based on the results of the feasibility study and revised Report of Waste Discharge, new lined lagoons will be designed, constructed, and operated to treat and store wastewater.
- Additional groundwater monitoring wells will be installed to (1) characterize background water quality, (2) determine the nature and extent of groundwater impacts from the existing unlined wastewater lagoons, (3) detect any leakage from the newly-constructed lined wastewater lagoons, and (4) detect any impacts from wastewater application to the reclamation area.
- Accounting for periodic increases subsequent to installation of the third cooker, Baker Commodities proposes to design the wastewater improvements based on a flowrate up to 275,000 gallons per day (monthly average).

Baker Commodities anticipates completing the proposed mitigation measures by December 2008.

Reference: Baker Commodities Correspondence dated November 30, 2006.



| IX. LAND USE/PLANNING | | | | |
|---|--------------------------------|---|------------------------------|-----------|
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Physically divide an established community? | | | | X |
| b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | | | | X |
| c) Conflict with any applicable habitat conservation plan or natural community conservation plan? | | | | X |
| Discussion: The County of Fresno has determined that the proposal can be accommodated under existing land use entitlements, including Conditional Use Permit Nos. 567 and 1459. The proposed project will not conflict with any applicable habitat conservation plan or natural community conservation plan and will not physically divide an established community. | | | | |
| Mitigation: None | | | | |
| X. MINERAL RESOURCES | | | | |
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | | | | X |
| b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | | | | X |
| Discussion: There are no known mineral resources on or in the immediate vicinity of the proposed project. | | | | |
| Mitigation: None | | | | |
| XI. NOISE | | | | |
| Would the project result in: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | | | | X |
| b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? | | | | X |



| XI. NOISE (Continued) | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|------------------------------|-----------|
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | | | | X |
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | | | | X |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | | | | X |
| f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? | | | | X |
| Discussion: Any increase in noise associated with construction is expected to be minor and short term. Any increase in noise associated with operation of the facility or potential increase in daily vehicular traffic is expected to be negligible. | | | | |
| Mitigation: None | | | | |
| XII. POPULATION/HOUSING Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | | | | X |
| b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? | | | | X |
| c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? | | | | X |
| Discussion: The proposed project is not expected to induce substantial population growth, displace housing units, or people. The proposed project will not require the construction of replacement housing. | | | | |
| Mitigation: None | | | | |



| XIII. PUBLIC SERVICES | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|---|---------------------------------------|--|-------------------------------------|------------------|
| a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: | | | | |
| Fire protection? | | | | X |
| Police protection? | | | | X |
| Schools? | | | | X |
| Parks? | | | | X |
| Other public facilities? | | | | X |
| b) Cumulatively exceed official regional or local population projections? | | | | X |
| c) Induce substantial growth in an area either directly or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)? | | | | X |
| d) Displace existing housing, especially affordable housing? | | | | X |
| Discussion: The proposed project is not anticipated to significantly increase demand on public services, induce substantial growth, or displace existing housing. | | | | |
| Mitigation: None | | | | |
| | | | | |
| XIV. RECREATION | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | | | | X |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | | | | X |
| XIV. RECREATION (Continued) | | | | |
| Discussion: The proposed project is not anticipated to significantly increase demand on recreational facilities. | | | | |
| Mitigation: None | | | | |



| XV. TRANSPORTATION/TRAFFIC Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
|--|---------------------------------------|--|-------------------------------------|------------------|
| a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)? | | | | X |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways? | | | | X |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | | | | X |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | | | | X |
| e) Result in inadequate emergency access? | | | | X |
| f) Result in inadequate parking capacity? | | | | X |
| g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? | | | | X |
| <p>Discussion: No increase in annual throughput is proposed, thus annual truck traffic should not change. Plant staff levels are not expected to change significantly due to the addition. A potential does exist for minor spikes in daily truck traffic. Assuming 100% utilization of all three cookers over a 24-hour period, the maximum increases in daily truck traffic is estimated as follows:</p> <ul style="list-style-type: none"> • Feedstock deliveries to the plant could result in approximately eleven additional trips per day. Typical one-way distance is approximately 55 miles along rural corridors from Hanford to the Kerman plant. Trucks stay south of Kerman and generally do not pass through town. • Meat meal deliveries from the plant could result in two-to-three additional truck trips per day. Again, routes tend to be to the south of the plant and distances are approximately 55 miles one-way. • Yellow grease deliveries from the plant could result in about two additional trips per day because some yellow grease may be consumed in the plant combustion devices. Trip distance is likely to be less than 55 miles one-way. | | | | |
| <p>Mitigation: None</p> | | | | |
| <p>Reference: Correspondence from Baker Commodities, dated 10/12/2006</p> | | | | |



| XVI. UTILITIES/SERVICE SYSTEMS | | | | |
|--|--------------------------------|---|------------------------------|-----------|
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? | | | | X |
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | | X |
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | | X |
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? | | | | X |
| e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | | | | X |
| f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | | | | X |
| g) Comply with federal, state, and local statutes and regulations related to solid waste? | | | | X |
| Discussion: The proposed project is not anticipated to significantly increase demand on utilities or service systems. | | | | |
| Mitigation: None | | | | |
| XVII. MANDATORY FINDINGS OF SIGNIFICANCE | | | | |
| Would the project: | Potentially Significant Impact | Potentially Significant Impact Unless Mitigated | Less Than Significant Impact | No Impact |
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | | | | X |



| XVII. MANDATORY FINDINGS OF SIGNIFICANCE (Continued) | | | | |
|--|--|--|--|---|
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively Considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | | | | X |
| c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly? | | | | X |
| Discussion: Review of this project has not indicated any features that might significantly impact the environmental quality of the site and/or adjacent areas. | | | | |
| Mitigation: None | | | | |
| | | | | |