#	Project Title	Application Category	Project Description*	County	GHG Emission Reduction Life of Project (MTCO ₂ e)**	Annual GHG Emission Reduction (MTCO2e)**	Requested Grant Funds	Matching Funds	Primary Management Practice
1	Advanced Solid Liquid Separation with flocculation at DaSilva Farms #3	Dairy Plus + New 2023 AMMP	To further enhance the environmental benefits, we are proposing to USDA Dairy Plus Program to install an Advanced Solid-liquid separator with flocculation and implement the nutrient and water management plan at the facility. In addition, the use of LWR system will enable the dairy to collect the solids, produce clean water which can be recycled. The solids will be utilized by applying to the fields following the Nutrient Management plan to improve the water and soil quality, prevent ground water pollution and air pollution.	San Joaquin	3,665	733	\$ 1.243.095.00	\$ 453,167.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
2	Advanced Solid-Liquid Separation with Flocculation for Manure Management at DaSilva Farms #1	Dairy Plus + Previous AMMP	To further enhance the environmental benefits, we are proposing to USDA Dairy Plus Program to install an Advanced Solid-liquid separator with flocculation and implement the nutrient and water management plan at the facility. In addition, the use of LWR system will enable the dairy to collect the solids, produce clean water which can be recycled. The solids will be utilized by applying to the fields following the Nutrient Management plan to improve the water and soil quality, prevent ground water pollution and air pollution.	San Joaquin	4,463	893	\$ 1,233,445.00	\$ 576,670.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
3	Anchor J Dairy Advanced Liquid Manure Separation Project	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at Anchor J Dairy by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. After processing over the secondary slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR First Wave 85HF polymer enhanced separation system. Water will be separated from the manure solids by passing the coagulated/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through and contains no more coagulated/flocculated manure solids are progressive sloped screen where the solid-free water falls through and contains no more coagulated/flocculated markets. Processed wastewater is then recycled back to the flush pit is nubs cycle, or into the lagoon system once the flush pit is full. The flocculated solid materials are then dewatered through a fan press, with the water being reprocessed through the system and discharged. The resulting nutrient "cake" is then a marketable crop nutrient product and can be exported and sold to surrounding tarms to reduce nutrient loading on the dairy farm ground.	Merced	38,640	7,728	\$ 1,250,000.00	\$ 644,325.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
4	Bar E Dairy Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Bar E Dairy proposes to install a vermifiltration treatment system to process its liquid manure. The dairy has limited land available for the beneficial use of its manure and is currently exporting liquid manure to avoid applying excess nutrients to its crops. The dairy's manure is currently flushed from the freestall barns, the feeding area of the open tot corrals, and the parlor. The liquid manure is currently treated by an undersized separator before it is stored in anaerobic lagoons. The proposed Dairy Plus Program vermifiltration system will treated by an undersized separator before it is stored in anaerobic lagoons. The proposed Dairy Plus Program vermifiltration system will treated liquid manure generated daily at the dairy. The vermifilter will operate simultaneously as a solid separator, a manure treatment system, and nutrient removal a0.80% of volatile solids and nitrogen from the liquid manure. The vermifilter treated water will be used for flushing and irrigation, with much lower risks of applying excess N to the farm's fields. The vermifilteriation and nitrous oxide emissions from the liquid manure is to represent. Additionally, it will decrease odors and reduce a methane emissions from the lagoons and the fields where liquid manure is currently being applied. Finally, the vermifiltration treatment will transform the dairy's manure into a nutrient-rich vermicompost thereby tecovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Kings	19,101	3,820	\$ 974,006.00	\$ 922,180.00	Vermifiltration
5	BWC Manure Project / BWC Weststeyn Dairy LP	Dairy Plus + Previous AMMP	Advance solid-liquid separator,	San Joaquin	53,764	10,753	\$ 1,250,000.00	\$ 1,495,086.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
6	Cross A Dairy Advanced Separation	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at Cross A Dairy by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. The system will be comprised of three stages: a mechanical sand separation stage, large fiber separation and drying, and flocculant separation. After processing over the secondary slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR First Wave 85HF polymer enhanced separation system. Water is separated from the manure solids by passing the cosquidted/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through and contains no more coagulated/flocculated particles. Processed wastewater is then recycled back to the flush pit for use in the next flush cycle, or into the lagoon system core the flush pit is full. The flocculated solid materials are then dewatered through a fan press, with the water being reprocessed through fars to reduce nutrient product and can be exported and sold to surrounding farms to reduce nutrient loading on the dairy farm ground.	Stanislaus	26,525	5,305	\$ 1,250,000.00	\$ 136,350.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters

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7	D and V Dairy Vermifiltration Project	Dairy Plus + New 2023 AMMP	The D&V Dairy proposes to install a vernifiltration treatment system to process its liquid manure. The vernifilter will operate simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The dairy's manure is currently flushed from the feeding area of the open to cords and the partor. The liquid manure is currently stored in anaerobic lagoons without any mechanical pre-treatment. The proposed project will improve manure management by installing a vernifiltration system to treat all liquid manure generated at the dairy. The vernifiltration system will receive the effluent of the AMMP proposed separator and will result in the removal of 80% of the volatile solids and nitrogen from the liquid manure. The vernifilter treated water will be used for irrigation with much lower risks of applying excess N to the farm's solis. The vernifiltration project will reduce methane, ammonic, and nitrous oxide emissions from the anaerobic lagoons and N losses from the fields where manure is applied via irrigation. Additionally, vernifiltration will decrease odors and transform manure into nutrient-tich vermicompost that recovers valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Tulare	22,420	4,484	\$ 1,247,631.00	\$ 1,714,742.00	Vermifiltration
8	Dairy Plus for previous AMMP - Diamond J	Dairy Plus + Previous AMMP	The proposed Dairy Plus for the previous AMMP recipient project planned at Diamond J Dairy is to install a secondary manure separation weeping wall system and incorporate proven tools and reliable technology. Manure from 100% of the cows will contribute to the proposed climate-smart advanced manure management system which includes new aerated windrow composting processes and fossil fuel reductions. The applicant will use proven, reliable, and creative methods to lower GHG emissions and address surplus nutrients in their socially disadvantage community.	Merced	20,744	4,149	\$ 1,240,687.41	\$ 970,213.10	Weeping wall (minimum of 2 cells)
9	Dairy Plus for Previous AMMP - Nunes Dairy	Dairy Plus + Previous AMMP	The proposed Dairy Plus for the previous AMMP recipient project planned at Nunes Dairy is to install a secondary manure separation weeping wall bottom removal basin system and add aerated windrow composting to this dairy located in the socially disadvantaged community of Merced County. Manure from 100% of the cows will contribute to the proposed climate-smart advanced manure management strategies that reduce diesel, lower CHG emissions, and address surplus nutrients.	Merced	21,766	4,353	\$ 1,218,112.50	\$ 945,317.63	Weeping wall (minimum of 2 cells)
10	Dairy Plus for previous AMMP - T&C Louters Dairy	Dairy Plus + Previous AMMP	The proposed project planned at T&C Louters Dairy is to install a secondary manure separation weeping wall bottom removal basin system. Manure from 100% of the cows will contribute to the proposed climate smart advanced manure management system which includes new aerated windrow composting processes, reduces GHG emissions, and addresses surplus nutrients.	Merced	10,027	2,005	\$ 714,114.90	\$ 743,479.11	Weeping wall (minimum of 2 cells)
11	Fred A Douma Dairy Advanced Separation Project	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at Fred A Douma by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. The system will be comprised of three stages: a mechanical sand separation stage, large fiber separation and drying, and flocculant separation. After processing over the secondary slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR first Wave 85HF polymer enhanced separations. Water is separated from the manure solids by passing the coagulated/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through the curst flush cycle, or into the lagoon system once the flush pit is full. The flocculated satewater is then recycled back to the flush pit for use in the next flush cycle, or into the lagoon system once the flush pit is full. The flocculated set then devalered through the water being processed through the system and discharged. The resulting nutrient "cake" is then a marketable crop nutrient product and can be exported and sold to surrounding farms to reduce nutrient loading on the dairy farm ground.	San Joaquin	41,833	8,367	\$ 1,250,000.00	\$ 93,850.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
12	Garcia Dairy Vermifiltration Project	Dairy Plus + Previous AMMP	The Garcia Dairy proposes to install a vernifilitration treatment system to process its liquid manure. The vernifiliter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The dairy's manure is currently flushed from the freestall bars, the feeding area of the open to corrols, and the parlor. The liquid manure is currently treated by a screen separator funded by a previous AMMP project. The proposed project will improve manure management by installing a vernifilitration system to treat all liquid manure generated at the dairy. The vernifilitration system will receive the separator effluent and will cause the removal of 80% of the volatile solids and nitrogen [N] from the liquid manure. The treated water will be used for imgation with much lower risks of applying excess N to the farm's solis. The vernifilitration project will reduce methane, ammonia, and nitrous oxide emissions as compared to the current long-term anaerobic lagoon storage system. Additionally, vernifilitration will decrease odors and transform the dairy's manure into nutrient-rich vernicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Tulare	8,364	1,673	\$ 1,248,883.00	\$ 717,600.00	Vermifiltration

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Ŧ	Project Title	Application Category	Project Description*	County	Project (MTCO2e)**	Emission Reduction (MTCO ₂ e)**	Funds	Matching Funds	Management Practice
13	North Dairy Manure Separation and Composting	Dairy Plus + New 2023 AMMP	The vision for this proposed project is threefold. First, the Dairy Plus advanced manure management project primarily consists of manure separation via the construction of a new weeping wall, as well as new infrastructure and a lift pump to get the manure to the weeping wall. This manure separation practice is an extremely effective means of screening solids from entering lagoons, and ultimately this will allow the dairy to hold significantly cleaner effluent water in the main lagoon by reducing the solid manure material entering into anaerobic digestion. Secondly, this manure management conversion will allow the dairy farmer to begin to put our manure solids to beneficial use through the implementation of a robust composting program. Ultimately, this compost will be used in two applications: soil health improvement in our permanent crops, and bedding for freestall barrs. The proposed AMMP and Dairy Plus projects will work hand in hand to improve the quantity and quality of compost that is able to be produced while benefitting the environment in a variety of ways.	Kings	25,803	5,161	\$ 1,250,000.00	\$ 202,310.00	Weeping wall (minimum of 2 cells)
14	Pete Postma & Sons Dairy Advanced Solid Liquid Separation with Flocculation	Dairy Plus + New 2023 AMMP	Pete Postma & Sons Dairy proposes to construct, in conjunction with their 2023 AMMP project of a compost bedded pack barn, mechanical separator, and IEC Thermo attrition and disinfection drying system, a LWR First Wave Advanced Solid Liquid Separation with flocculation system also known as CLARA.	Stanislaus	26,304	5,261	\$ 1,250,000.00	\$ 340,350.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters
15	River Oak Dairy Flocculant Enhanced Manure Treatment	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at River Oaks Dairy by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. The system will be comprised of three stages: a mechanical sand separation stage, large fiber separation and drying, and flocculant separation. After processing over the slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR first Wave BSHF polymer enhanced separation system. Water is separated from the manure solids by passing the coagulated/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through and contains no more coagulated/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through net contains no more coagulated/flocculated particles. Processed wastewater is then recycled back to the flush pit for use in the next flush cycle, or into the lagoon system once the flush pit is full. The flocculated solid materials are then dewatered through a pros. with the water being reprocessed through the system and discharged. The resulting nutrient "cake" is then a marketable crop nutrient product and can be exported and sold to surrounding farms to reduce nutrient loading on the dairy farm ground.	San Joaquin	33,016	6,603	\$ 1,250,000.00	\$ 136,350.00	Advanced solid- liquid separation asisled by flocculants and/or bead filters
16	Ron Verhoeven Family Dairy Vermifiiltration Project	Dairy Plus + New 2023 AMMP	The Ron Verhoeven Family Dairy proposes installing a vermifiltration treatment system to process its liquid manure. The vermifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The dairy's manure is currently flushed from the feeding area of the open lot corals and the parlor. The flushed manure is collected in three reception cells and then inefficiently treated by an old and undersized separator. During periods of heavy manure loads, most of the liquid manure by passes the separator and reaches the anaerobic lagoons untreated. The dairy's proposed project will improve its manure management by installing a vermifiltration system to treat all liquid manure generated at the dairy. The vermifiltration system will receive and treat the new separator's effluent resulting in the removal 60% of the volatile solids and nitrogen (N) from the liquid manure. The treated water will be used for imigation with much lower risks of applying excess N to the fam's solis. The vermifiltration project will reduce methane, ammonia, and nitrous oxide emissions from the lagoons, and N losses from the fields where liquid manure is applied. Additionally, vermifiltration will decrease odors and transform the dairy's manure into nutrient-rich vermicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Tulare	13,867	2,773	\$ 1,249,931.00	\$ 513,021.00	Vermifiltration
17	Shady Acres Dairy Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Shady Acres Dairy proposes a Dairy Plus project to install a liquid manure vermifiltration treatment system. The vermifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The dairy's manure is currently flushed from the freestall barns, the feeding area of the open lot corrals, and the partor. The flushed liquid manure is currently treated by two sets of settling basins that remove around 20% of the solids before being stored in anaerobic lagoons. The proposed project will improve the dairy's manure management system by installing a vermifiltration system to treat all liquid manure generated at the dairy. The vermifiltration system will receive the AMMP proposed separator effluent and will result in the removal of 80% of the volatile solids and nitragen from the liquid manure. The treated water will be used for flushing and irrigation, with much lower risks of applying excess nitrogen to the farm's fields. The vermifiltration spicet will reduce methane emissions as compared to the current long-term anaerobic manure storage. Additionally, vermifiltration will decrease odors and reduce ammonia and nitrous oxide emissions from the lagoons and the fields where liquid manure is applied. Finally, the vermifiltration treatment will transform the dairy's manure into a nutrient-tich vermicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Fresno	31,493	6,299	\$ 1,239,230.00	\$ 428,440.00	Vermifiltration
18	Solo Dairy Advanced Solid-Liquid Separation Project	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at Solo Dairy by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. The system will be comprised of three stages: a mechanical sand separation stage, large fiber separation and drying, and flocculant separation. After processing over the secondary slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR first Wave 85HF polymer enhanced separation system. Water is separated from the manure solids by passing the coagulated/flocculated manure sludge over a progressive sloped screen where the solid-free water falls through and contains no more coagulated/flocculated particles. Processed wastewater is then recycled back to the flush pit for use in the next flush cycle, or into the lagoon system once the flush pit is full. The flocculated solid materials are then dewatered through a fan press, with the water being reprocessed through the system and discharged. The resulting nutrient "cake" is then a marketable crop nutrient product and can be exported and sold to surrounding farms to reduce nutrient loading on the dairy farm ground.	Kem	40,551	8,110	\$ 1,250,000.00	\$ 644,325.00	Advanced solid- liquid separation assisted by flocculants and/or bead filters

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19	Sozinho Dairy #1 Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Sozinho Dairy #1 proposes to install a vermifilitration treatment system to process its liquid manure. The vermifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The dairy's manure is currently flushed from the freestall barns, the feeding area of the open to corrads, and the parlor. Only a portion of the flushed manure is treated by a solid separator before being stored in an anaerobic lagoon. The proposed project will improve manure management at the dairy by installing a vernifiltration system to treat all liquid manure generated at the dairy. The vernifilter treated water will be used for imgation with much lower risks of applying excess nitrogen (N) to the farm soils. The vernifilter therated water will be used for imgation with much lower risks of applying excess nitrogen (N) to the farm soils. The vernifilter therated water will be used for imgation with much lower risks of applying excess not the fields where manure is applied with irrigation. Additionally, vernifiltration will decrease odors and transform manure into nutrient- rich vermicompost vermicompost that recovers valuable manure nutrients, increases soil health, and adds carbon to crop soils.	Kings	37.679	7,536	\$ 1,248,489.00	\$ 718,000.00	Vermifiltration
20	Sozinho Dairy #2 Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Sozinho Dairy #2 proposes to install a liquid manure vernifiltration treatment system. The vernifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The manure is currently flushed from the freestall barns, the feeding areas of the open lot corrols, and the partor. The flushed manure is then treated by an old and underized solid separator being stored in an anaerobic lagoon. The proposed project will improve the dairy's manure management by installing a vernifiltration system to treat all liquid manure generated at the dairy. The vernifiltration system will receive and treat the separator's effluent resulting in the removal at 00% of the volatile solids and nitrogen from the liquid manure. The vernifiltration treated water will be used for imgation with much lower fiss of applying excess nitrogen (N) to the farm's solis. The vernifiltration project will reduce methane, ammonia, and nitrous oxide emissions from the anaerobic lagoons and N losses from the fields. Additionally, vernifiltration will decrease odors and transform the dairy's manure into nutrient-fich vermicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Fresno	29,915	5,983	\$ 1,249,272.00	\$ 717,211.00	Vermifiltration
21	Sozinho Dairy #5 Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Sozinho Dairy #5 proposes to install a liquid manure vernifiltration treatment system. The vernifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. Currently, the dairy's anaerobic lagoon receives the milking cows' flushed manure after treatment by an undersized solid separator, and semi-solid manure is scraped and vacuumed in the beef cattle and heifer bars. The proposed project will improve the dairy's manure management by installing a vernifiltration system to treat all liquid manure generated at the dairy. The vernifiltration system will receive and treat the liquid manure pre-treatment effluent and will result in the removal of 80% of the volatile solids and nitrogen (NI) from the liquid manure. The vernifilter treated water will be used for imgation with much lower risks of applying excess N to the farm's soils. The proposed vernifiltration project will reduce methane, ammonia, and nitrous oxide emissions from the dairy's manure into nutrient- rich vermicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Kings	43,619	8,724	\$ 1,247.230.00	\$ 1,635,143.00	Vermifiltration
22	The Alberto Dairy Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Alberto Dairy Vernifiltration Project proposes to install a vernifiltration treatment system at the Alberto Dairy in Stanislaus County. All the dairy cows are housed in freestall barrs, and 80% of the manure is collected as liquid. Currently, the manure is flushed from the freestall barrs and milking parlor, is partially treated by an undersized 25-year-old separator, and then stored in anaerobic lagoons, generating significant volumes of methane and ammonia emissions. A vernifiltration system will be installed to treat all the liquid manure produced at the dairy. The vernifilter operates simultaneously as a solid separator, a manure installed to treat all the liquid manure produced at the dairy. The vernifilter operates simultaneously as a solid separator, a manure treatment system, and nutrient renoval and recovery technology. After a two-stage mechanical separator system and gravity separation, the vernifilter will remove 80% of the volatilie solids and the risks of groundwater pollution. Vernifiltration of the liquid manure produced by its current manure management system. Specifically, the methane emitted from the anaerobic long-term storage and the nitrous oxide emitted when lagoon water is used to irrigate crops will be greatly reduced. Additionally, the use of a vernifilter will decrease odors and ammonia losses from the lagoons and the irrigate fields. Finally, the vernifiltration treatment will transform the manure into a nutrient-rich vernicompost that recovers valuable manure nutrients, increases soil health, and adds carbon to crop soils.	Stanislaus	18,543	3,709	\$ 1,244,680.00	\$ 922.714.00	Vermifiltration
23	The Oasis Holsteins Dairy Vermifiltration Project	Dairy Plus + New 2023 AMMP	The Oasis Holsteins Dairy proposes to install a vermifilitration treatment system to process its liquid manure. The vermifilter will operate simultaneously as a solid separator, a manure treatment system, and nutrient removal and recovery technology. The manure is currently flushed from the feeding lanes of the open lot corrols and the milking partor. The flushed manure is treated by an undersized separator before it is stored in anaerobic lagoons. The proposed project will improve the dairy's manure management by installing a vermifilitration system to treat the liquid manure generated at the dairy. The vermifiltration system will receive the effluent from the AMMP proposed separator ond will result in the removal of 80% of the volatile solids and nitrogen (N) from the liquid manure. The vermifilter treated water will be used for irrigation with much lover risks of applying excess nitrogen to the fam's soils. The vermifiltration project will reduce methane, ammonia, and nitrous oxide emissions from the anaerobic lagoons and N losses from the fields where manure is currently being applied. Additionally, vermifiltration will decrease doors and transform the dairy's manure into nutrient-rich vermicompost recovering valuable manure nutrients, increasing soil health, and adding carbon to crop soils.	Kem	13,071	2,614	\$ 1,249,093.00	\$ 717,390.00	Vermifiltration
24	Tillema Dairy Primary Separation Enhancement Project	Dairy Plus + New 2023 AMMP	The planned project revises the current manure management handling at Tillerma Farms by further processing the effluent through an updated system for the collection and processing of fine manure solids with the aid of flocculants. The system will be comprised of three stages: a mechanical sand separation stage, large fiber separation and drying, and flocculant separation. After processing over the secondary slope screens, the remaining liquid will be discharged into an equalization tank to reduce the amount of polymer needed for effective flocculation and processed through the LWR First Wave 85HF polymer enhanced separation system. Water is separated from the manure solids by possing the coagulated/flocculated particles. Processed wastewater is then recycled back to the flush pit for use in the next flush cycle, or into the lagoon system once the flush pit full. The flocculated solid materials are then devalered through a for use in the next flush cycle, or into the lagoon system and discharged. The resulting nutrient "cace" is then a marketable crop nutrient product and can be exported and sold to surrounding farms to reduce the advacement product and can be exported and sold to surrounding farms to reduce nutrient loading on the dairy farm ground.	Kem	58,965	11,793	\$ 1,250,000.00	\$ 117.050.00	Advanced solid- liquid separation assisted by flocculants and/o bead filters

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25	Willem Postma Dairy Bead Filters System	Dairy Plus + Previous AMMP	Willem Postma Dairy proposes to expand on their already completed AMMP separator project and install components associated with ATS advanced separation flocculation beads.	Stanislaus	12,165	2,433	\$ 521,843.60	\$ 521,843.60	Advanced solid- liquid separation assisted by flocculants and/or bead filters
26	DeJager North BioFiltro BIDA®	Dairy Plus + New 2023 DDRDP	DeJager Dairy North is committed to building vermifiltration infrastructure to treat the dairy facility's digestate. The vermifiltration infrastrucutre will be in the form of a BIDA® system. The BIDA® system will reduce nutrients and volatile solids in the dairy's wastewater, following the anaerobic digestion process. The project seeks to primarily reduce nutrients such as Nitrogen and Phosphorus from the digestate, while also reducing methane and ammonia emissions. BioFiltro is the project developer.	Merced	434,002	43,400	\$ 1,248,285.40	\$ 132,500.00	Post-digester vermifiltration
27	Delta View BioFiltro BIDA®	Dairy Plus + New 2023 DDRDP	Delta View Farms is committed to building vermifiltration infrastructure to treat the dairy facility's digestate. The vermifiltration infrastrucutre will be in the form of a BIDA® system. The BIDA® system will reduce nutrients and volatile solids in the dairy's wastewater, following the anaerobic digestion process. The project seeks to primarily reduce nutrients such as Nitrogen and Phosphorus from the digestate, while also reducing methane and ammonia emissions. BioFiltro is the project developer.	Tulare	124,040	12,404	\$ 1,248,285.40	\$ 132,500.00	Post-digester vermifiltration
28	Moonstone BioFiltro BIDA®	Dairy Plus + New 2023 DDRDP	Moonstone Dairy is committed to building vermifiltration infrastructure to treat the dairy facility's digestate. The vermifiltration infrastrucutre will be in the form of a BIDA® system. The BIDA® system will reduce nutrients and volatile solids in the dairy's wastewater, following the anaerobic digestion process. The project seeks to primarily reduce nutrients such as Nitrogen and Phosphorus from the digestate, while also reducing methane and ammonia emissions. BioFiltro is the project developer.	Kings	130,866	13,087	\$ 1,248,285.40	\$ 132,500.00	Post-digester vermifiltration
				Total	1,345,211	200,151	\$ 33,364,600	\$ 17,424,627	