The latest from PEPM GROUP

ASSEMBLY REQUIRED

November 2025

THE WATER COOLER

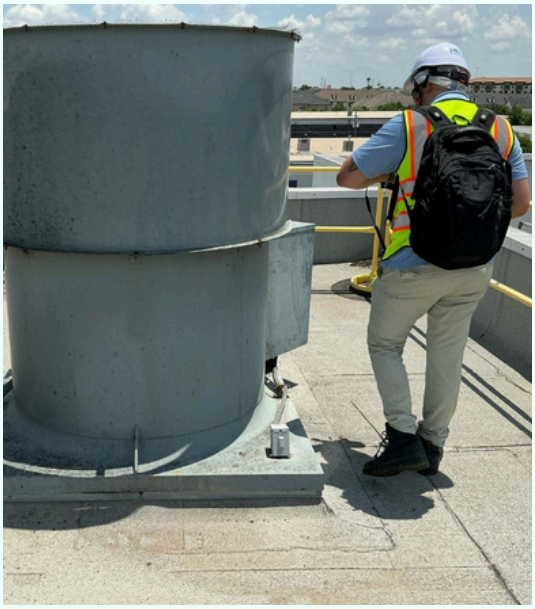
PEPM Group is excited to share that we have been nominated for Best Engineering Firm in The Best of Northwest Arkansas!

Voting is open 11/17 through 12/12, and you can vote once a day!

We are honored to be nominated and would appreciate your support.

Please visit:
https://www.votebestnwa.com/pepmgroup
to cast your vote!

PEPM Group is proud to announce the launch of a new Air Study at a large pork facility in North Carolina. Our team has been on-site to conduct field measurement, ventilation evaluation, and air balance study, aimed at identifying current airflow conditions and optimizing the air balance throughout the production area. In addition, PEPM will perform condensation assessments and evaluate positive air pressure to ensure a controlled and efficient environment. With over 30 air studies completed across food processing facilities nationwide, including many plant-wide air studies, PEPM continues to deliver precise, data-driven insights that enhance operational performance. Our engineers rely on calibrated and certified anemometers to guarantee accurate measurements and dependable results.



PEPM Group is also proud to be commissioned by a new client for a process wastewater project. Our team will deliver mechanical and electrical engineering design services to support the implementation of a proprietary process design that transforms food processing solids in wastewater into marketable ingredients, all within the client's facility. This project sets the stage for replicating similar designs across other facilities in the future.

The PEPM Group is proud to welcome **David Rash**, Senior Designer and **Jayesh Panchal**, Senior Mechanical Designer to our growing team. Welcome to the PEPM Team!

For your structural, mechanical, electrical engineering, 3D modeling, and drafting needs, contact yzhang@pepmgroup.com and admin@pepmgroup.com. The PEPM Group is a full engineering service company specialized in food process and energy industries and a leading engineering company for plantwide ventilation and air studies and has provided more than 30 ventilation and air study evaluation projects for multiple customers throughout the country.

WE ARE HIRING!

For a long-term fulfilling career, a caring, encouraging, and respectful workplace, contact PEPM. Apply today at *www.pepmgroup.com/careers*

- Senior Mechanical Engineer (Fayetteville, AR), 10+ years of proven mechanical, plumbing, and HVAC engineering and design experience in the food and beverage facilities, strong understanding of USDA, FDA, OSHA, ASHRAE, and ASME codes, standards, and guidelines, strong understanding of specifications and excellent attention to detail, B.S. in Mechanical Engineering, PE in Mechanical Engineering
- Senior Electrical Engineer (Fayetteville, AR), 6+ years of electrical design work in industrial engineering, 4+ years of field experience, proficiency in designing, installing, and maintaining electrical systems required, proficiency in AutoCAD 2D AND Revit 3D for electrical system design required, B.S. in electrical engineering is required, electrical PE preferred
- Project Engineer, Project Manager (Tulsa, OK), 5+ years of proven work experience in engineering, oil and gas and energy business, 5+ years of proven work experience in project management in engineering, construction or fabrication, excellent time management skills to meet promised schedules, organization, planning skills, and attention to detail are a must, PE and/or PMP highly preferred, B.S. in mechanical engineering or related engineering field

HOW TO MINIMIZE POULTRY PROCESSING REJECTS

It is essential to minimize the amount of poultry meat that is rejected due to quality issues at the processing plant. There are various points that need careful monitoring at the plant to maintain quality, including hanging, stunning and plucking.

Birds that are poorly placed into the overhead conveyor shackles, with one lower leg in the shackle and one thigh, which can result in bruising and, consequently, loss of saleable meat. Care must be taken to only enter the bird into the shackles by the lower legs, introducing the legs to the shackles at a 90-degree angle.

When the stunner and its surroundings are not properly regulated, birds can receive excess current. Should this occur, blood vessels in the wings will dilate and will be noticeable upon exiting the last plucking machine. Additionally, if passage through the stunner causes pre-shock, birds will flap their wings intensely and rear violently up and down. This can lead to bone dislocation.

Where plucking is concerned, carcasses enter the first plucking machine slightly warm. The water from the sprinklers must have a temperature of 34-38° C. If not, the carcass will continue to lose heat. Should this happen, the skin follicles will start to close resulting in feather retention. To counter this, often the decision is taken to further close the pluckers to ensure that all feathers are removed. This, however, can lead to skin tears and wing dislocation.

Original Article: How to minimize poultry processing rejects: WATTPoultry

WE WANT YOUR FEEDBACK!

донъяланкыв *(Komi for feedback)*

To ensure a great newsletter, let us know what you think! Your ideas and stories can make this newsletter a truly engaging experience. Send your suggestions to *yzhang@pepmgroup.com*. *Your feedback is greatly appreciated and valued!*

GET PROPOSAL

Have questions about MEP, CSA, industrial refrigeration, process design, architectural, or project management?
Contact PEPM Group at yzhang@pepmgroup.com, admin@pepmgroup.com, (918) 895-6766, or visit www.pepmgroup.com.

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IN THE KNOW...

November, which is the eleventh month in the Julian and Gregorian calendar, is named after the Latin word novem (nine) as it was the ninth month in the Roman calendar.

1980 US spacecraft Voyager 1 sends back first close-up pictures of Saturn during its fly-by

1970 Douglas Engelbart patents the first computer mouse

1969 Isolation of a single gene is announced by scientists at Harvard University

1906 International Radiotelegraph Conference in Berlin selects the "SOS" distress signal as the worldwide standard for help

1895 Physicist Wilhelm Röntgen produces & detects electromagnetic radiation in a wavelength range known as X-rays

1845 First nationally observed uniform election day in the United States

1789 First Thanksgiving in the US

1675 German mathematician Gottfried Wilhelm Leibniz demonstrates integral calculus for the first time to find the area under the graph of the function y = f(x)

Original Article: *OnThisDay*: www.OnThisDay.com