



ORGANIZATION:

Donor Network of
Arizona

INDUSTRY:

Organ Procurement
Organization

CLIENT SPOTLIGHT

Recording and Tracking Environmental Monitoring Data

Background:

Donor Network of Arizona (DNA) is the federally designated, not-for-profit organ procurement organization for the State of Arizona. DNA also recovers tissue onsite in two OR suites, and operates an eye bank providing recovery, processing and distribution services. DNA serves five organ transplant centers in Arizona with the combined capacity to perform heart, lung, kidney, pancreas and liver transplants.

Regulated/Accredited By:

CMS, UNOS, AOPO, FDA, AATB, EBAA, ASHI, CLIA and licensed by the State of CA.

DNA implemented Q-Pulse as their internal QMS in 2011 and added the Incident Management System (IMS) in 2018. The IMS provided DNA with the ability to create custom forms to more efficiently and effectively manage workflow and track data specific to their needs, including identifying potential trends in data which would require additional attention. The IMS has replaced several antiquated paper-based procedures throughout the organization, providing DNA with additional valuable tools to comply with federal and local regulations. One such process that has been significantly improved by the IMS is recording and tracking environmental monitoring data.

Recording and Tracking Environmental Monitoring Data:

Pursuant to regulations, DNA has developed a protocol for biocontamination control of their recovery environments which consists of quarterly cultures of various locations in their recovery areas, including tables, floor, door handles and ocular flow hood. Precision is key in the recording and tracking of the environmental data gathered, to timely and efficiently remedy any actionable level of growth of microorganisms, in order to ensure patient safety and the viability of transplant materials.

Prior to implementation of the IMS, DNA's tracking process involved recording the environmental monitoring data with an internally developed, manual process, using multiple applications and paper-based solutions. Tracking data in this way was a time-consuming and arduous process, requiring significant man hours of data entry and cross-referencing data. Andrew Maple, DNA Quality Manager, saw the IMS as the solution to make the process more efficient, and the data collected more useful. "Based on our experience with the Q-Pulse IMS module enhancing efficiency and broadening the use of data we currently track, we believed we would see similar results tracking environmental data as well", Andrew said. DNA brought the idea to ECL2, who got to work to build the solution.





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Due to the specific nature of the data to be tracked, ECL2 created a custom Environmental Monitoring Form (EMF) on the Q-Pulse IMS platform. ECL2 worked closely with Andrew and others at DNA to ensure the EMF met all the criteria for tracking environmental monitoring data and workflow to create a user-friendly efficient system. The EMF provided DNA the ability to not only track specific environmental monitoring data, but also automate the workflow for the follow up process for incidents and non-conformances. As DNA continues to expand upon the capabilities of the EMF, they anticipate utilizing the Analysis module to explore how to best trend specific environmental data and work with ECL2 and their internal IT personnel to create custom environmental data reports.

Andrew concluded, “Having ECL2, who has the experience to create the best solution, and perform the validation of the form was invaluable. It’s critical to have someone who is an expert in the field to build processes such as these in an efficient manner.”

For more information on Q-Pulse please visit our website at www.ECL2.com or contact us directly at 469.828.5006 or by email at inquiries@ECL2.com.