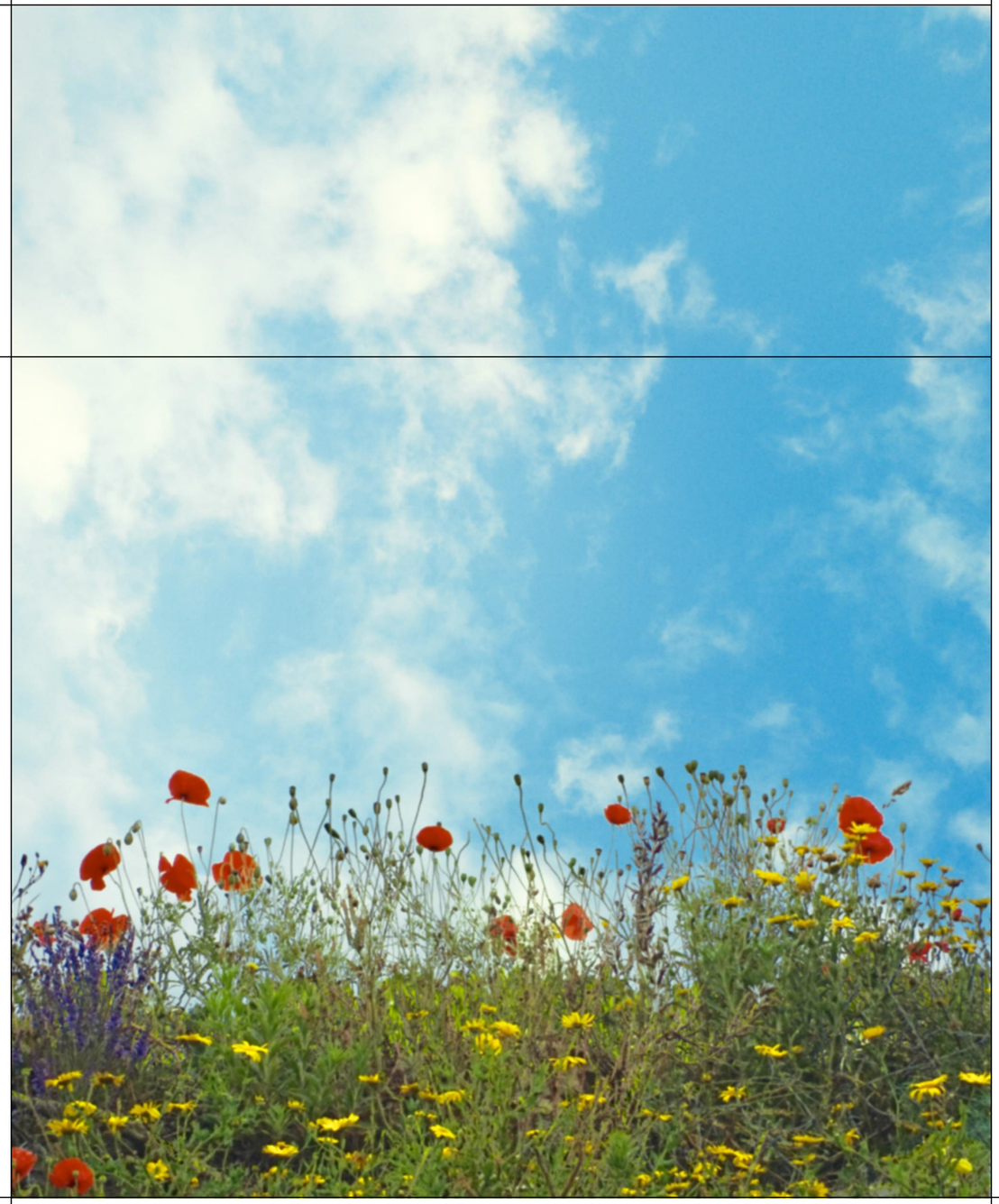
NIKE'S PFC-FREE JOURNEY

CHEMWATCH PFAS GLOBAL 2022

NIKE CHEMISTRY CENTER OF EXCELLENCE

TOPICS

1. A BRIEF HISTORY
2. CORE PRINCIPLES
3. TRANSITION STRATEGY
4. LESSONS LEARNED



A BRIEF HISTORY

2013: NIKE commits to phasing out of long-chain PFCs (C8) used in DWRs, completing this work in 2015.

2017: NIKE commits to phasing out of **all** PFC-based DWRs by the end of the 2021 calendar year.

These commitments drove our project and stopped us from kicking the can down the road.

CORE PRINCIPLES

Nike will not sacrifice product performance when switching to PFC-free DWRs.

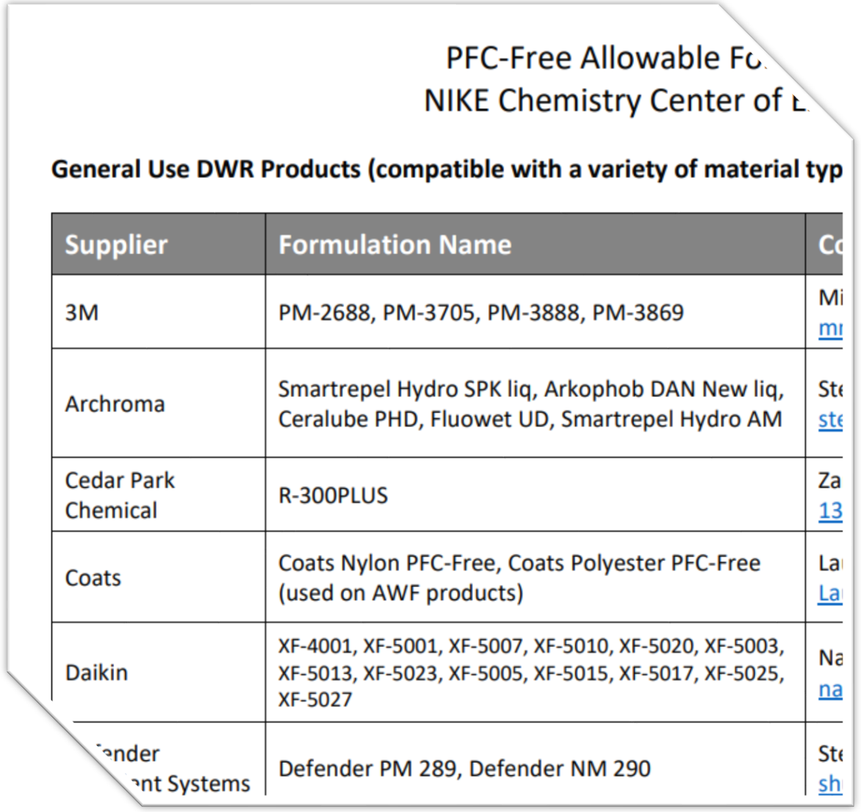
Nike will avoid regrettable substitutions when transitioning out of PFCs.

AVOIDING REGRETTABLE SUBSTITUTIONS

Our team conducted toxicology assessments for all proposed PFC-free DWRs.

All DWRs that passed this assessment were added to a central list, accessible to all Nike teams and external partners.

We've shared this list with others in our industry to help promote PFC-free DWR adoption.

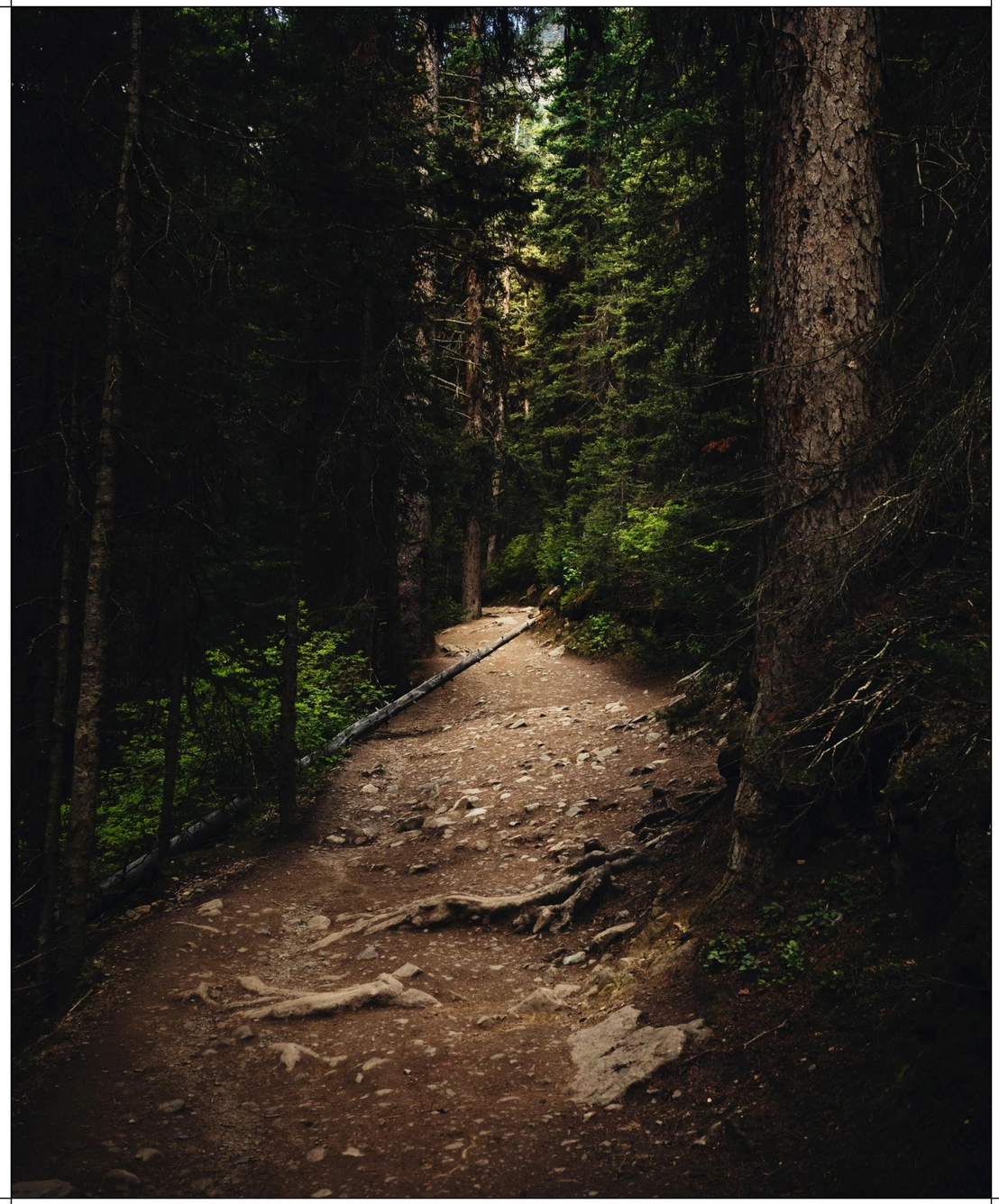


PFC-Free Allowable Fo
NIKE Chemistry Center of E

General Use DWR Products (compatible with a variety of material typ

Supplier	Formulation Name	Co
3M	PM-2688, PM-3705, PM-3888, PM-3869	Mi mi
Archroma	Smartrepel Hydro SPK liq, Arkophob DAN New liq, Ceralube PHD, Fluowet UD, Smartrepel Hydro AM	St ste
Cedar Park Chemical	R-300PLUS	Za 13
Coats	Coats Nylon PFC-Free, Coats Polyester PFC-Free (used on AWF products)	La La
Daikin	XF-4001, XF-5001, XF-5007, XF-5010, XF-5020, XF-5003, XF-5013, XF-5023, XF-5005, XF-5015, XF-5017, XF-5025, XF-5027	Na na
ender nt Systems	Defender PM 289, Defender NM 290	St sh

TRANSITION STRATEGY



APPAREL STRATEGY

A significant portion of our DWR volume was consolidated to a small number of individual materials.

Our team worked with material developers to swap C6/C4 DWRs for PFC-free DWRs on highest-volume materials.

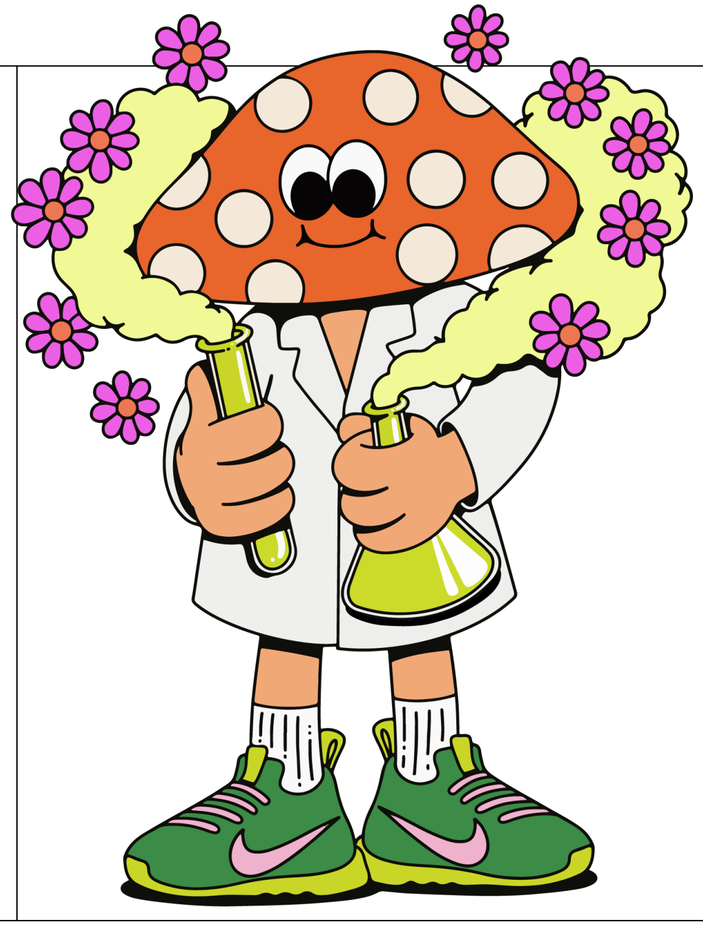
Product teams could easily do the right thing – select the PFC-free version instead of the C6 version!

FOOTWEAR HURDLES

Footwear was our most challenging product type, in large part due to the complexity of assembling a shoe.

PFC-free DWRs have less room for error. Optimal application took experience and troubleshooting.

We observed a tendency for PFC-free DWRs to interfere with adhesives used in footwear bonding.

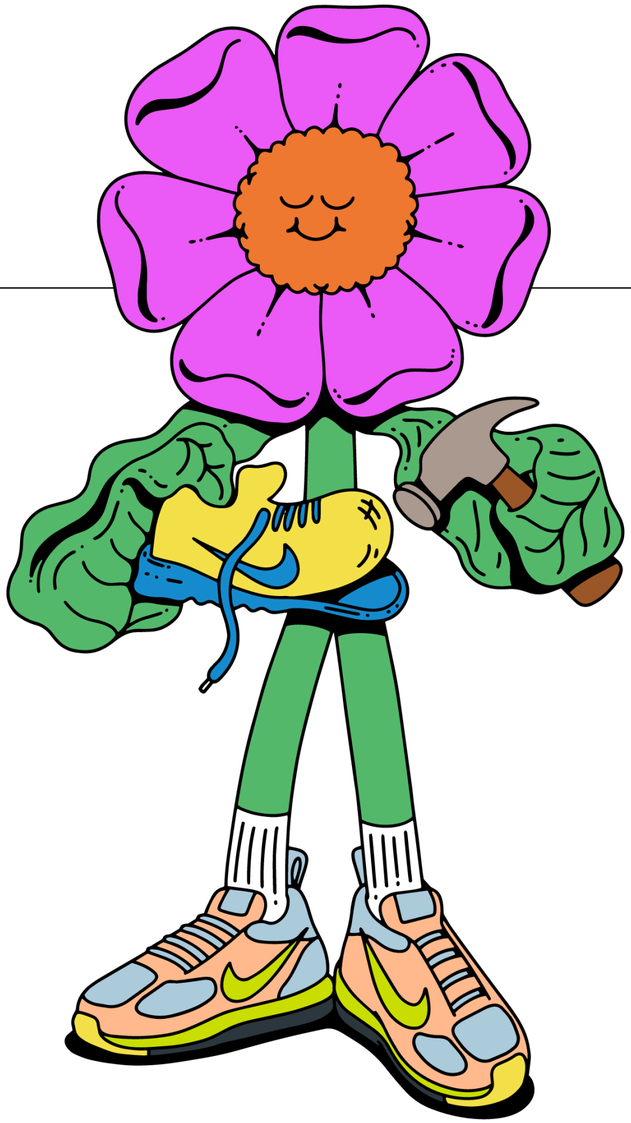


FOOTWEAR STRATEGY

Material conversions weren't an option for footwear due to the variety and type of materials.

Our team provided support to product teams through education, troubleshooting assistance, and making connections.

Support was available, but we had to "build bridges" to ensure all teams were making use of available resources.

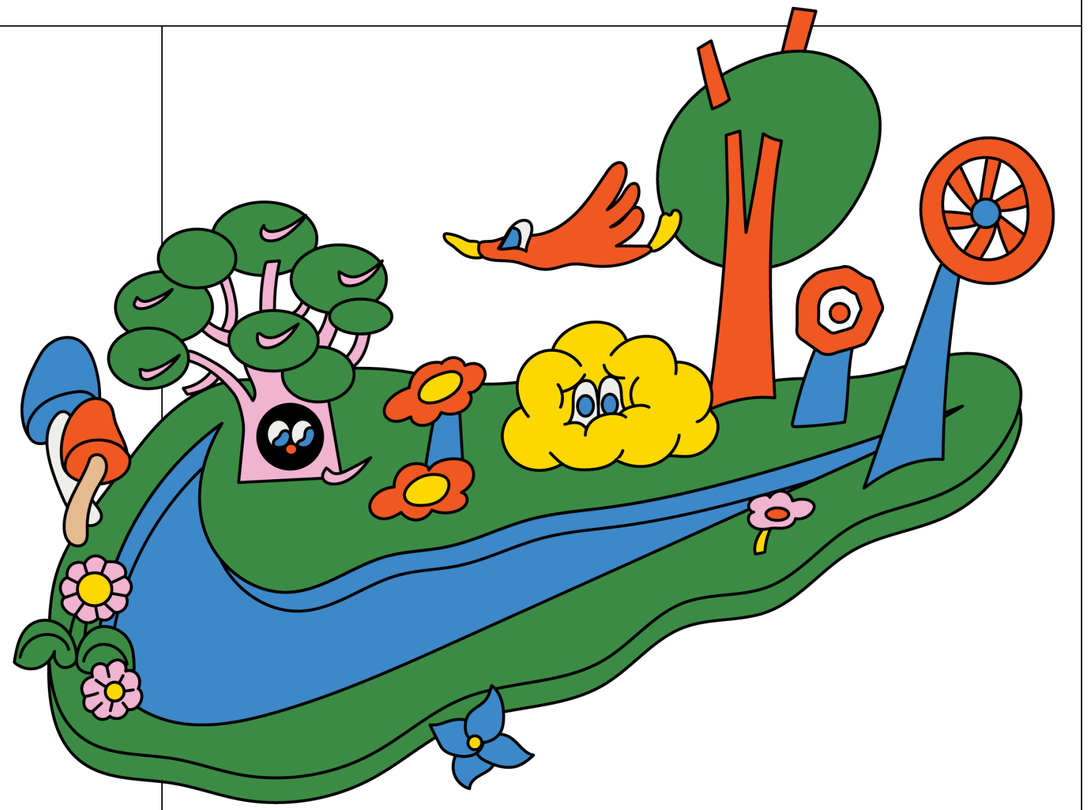


LESSONS LEARNED

Leadership buy-in is a critical success factor.

Start with “the why”.

Create alignment between product, sustainability, and regulatory teams.



THANK YOU!